



Administrative Record for the US Department of Energy Rocky Flats Index

BZ - Buffer Zone

Last updated: 9/26/2011

numerical index

BZ-A-000001	9/30/1997
RLCP for the T120 Trailer Project, September 30, 1997	
Reconnaissance Level Characterization Plan (RLCP) for the T120 Trailer Project, Revision 0, dated September 30, 1997.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000001.pdf	563 KB
BZ-A-000002	9/30/1997
Asbestos and Lead Characterization Report for T120 Trailer, Rev. 0, October 24, 1997	
Asbestos and Lead Characterization Report for the T120 Trailer, Revision 0, dated October 24, 1997.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000002.pdf	812 KB
BZ-A-000003	4/22/1996
Transmits attached OU05 Woman Creek Priority Drainage RFI/RI Report	
Transmits Operable Unit OU05 Woman Creek Priority Drainage: The Final Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000003.PDF	163 KB
BZ-A-000004	2/24/1998
Radionuclides by In Situ HPGe Gamma Spectrometry	
Request for proposal for determination of Radionuclides by In Situ High Purity Germanium Detector (HPGe) Gamma Spectrometry, February 24, 1998, Rocky Flats Plant (RFP) - Describes the Rocky Flats Environmental Technology Site (RFETS) Deliverable, Technical, Quality, and Preliminary Requirements that will identify and quantify AM-241, U-235 and U-238 in soils using In Situ HPGE Technique and commercially available Spectral Acquisition and Processing software. In addition to Site-specific quality requirements, the measurement protocols and deliverables described herein are intended to comply with guidance provided in the Multi-agency Radiation Survey and Site Investigation Manual (MARSSIM).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000004.PDF	1 MB

BZ-A-000005	4/15/1998
Determination of Radionuclides by In Situ HPGe Gamma Spectrometry	
Forwards the attached [000004] requested Statement of Work (SOW) for the Determination of Radionuclides by In Situ [High Purity Germanium] HPGe Gamma Spectrometry, work to be performed at the 903 Pad and surrounding areas Pre-Remidial Investigation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000005.PDF	88 KB
BZ-A-000008	12/22/1997
903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155)	
Re Site Characterization of the 903 Drum Storage Area [Individual Hazardous Substance Site (IHSS) 112], 903 Lip Area (IHSS 155), and Americium (Am) Zone: letter requests Air Quality Support and concurrence for Rocky Mountain Remediation Service (RMRS) to perform field activities in support of the specified areas.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000008.PDF	67 KB
BZ-A-000009	12/17/1997
903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155)	
Forwards the attached [I112-A-000005] Final Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area [Individual Hazardous Substance Site (IHSS) 112], 903 Lip Area (IHSS 155), and Americium (Am) Zone (See CERCLA Administrative Record (AR) OU02-A-001525): document has incorporated comments from the US Environmental Protection Agency (EPA), the Colorado Department of Public Health and Environment (CDPHE), and the US Department of Energy, Rocky Flats Field Office (DOE/RFFO)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000009.PDF	92 KB
BZ-A-000010	12/31/1997
Response to Lessons Learned provided for Mound Site Excavation of T-3/T-4 Soils	
Response to Lessons Learned provided for the Mound Site Excavation of Trenches T-3/T-4 Soils, Individual Hazardous Substance Sites IHSS 110 / IHSS 111.1	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000010.PDF	321 KB
BZ-A-000011	5/6/1994
Decontamination of collection at SW-61, SW-132 as part of OU02	
Decontamination of collection at SW-61, SW-132 as part of Operable Unit OU02, Walnut Interim Measures / Interim Remedial Action (IM/IRA), by letter dated April 28, 1994 (copy attached). The US Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) have authorized US Department of Energy (DOE) to discontinue collection of water at surface wells 61 and 132.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000011.PDF	189 KB
BZ-A-000012	3/25/1993
Final Soil Vapor Extraction Pilot Test Plan, January 12, 1993 - Approval	

The Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division (HZMD), has reviewed the Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA), Final Soil Vapor Extraction (SVE) Pilot Test Plan, January 12, 1993, and hereby approves these plans.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000012.PDF 78 KB

BZ-A-000013 3/29/1993

OU02 Corrective Measures Study

National Environmental Policy Act (NEPA) Documentation for the Operable Unit OU02 Corrective Measures Study / Feasibility Study (CMS/FS) - Action Description Memorandum for OU02 Corrective Measures Study / Feasibility Study (CMS/FS), March 29, 1993, and Rocky Flats Plant (RFP) Ecology and NEPA Division Environmental Checklist (EC) enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000013.PDF 737 KB

BZ-A-000014 4/15/1993

OU02 Subsurface Report

Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) and Resource Conservation Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) Report memorandum enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000014.PDF 192 KB

BZ-A-000015 6/1/1993

Operable Unit OU02 Workplan (WP) change

Operable Unit OU02 Work Plan (WP) change - The US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) were notified of the request to change lab sampling methods and both agencies have indicated that as long as both methods (8010 and 8260) gave comparable results, and the full Technical Memorandum TM8, Bedrock, Analysis Suite will be run, that this change would not be a problem.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000015.PDF 99 KB

BZ-A-000016 6/4/1993

OU02 Subsurface IM/IRAP

Regarding the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Subsurface Interim Measure / Interim Remedial Action Plan (IM/IRAP) Test Plans.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000016.PDF 105 KB

BZ-A-000017 6/15/1993

Summary of meeting on OU02 Surface Water Treatability Studies Report

Summary of meeting on Operable Unit OU02 Surface Water Treatability Studies Report - OU02 Surface Water Interim Measure / Interim Remedial Action (IM/IRA) Treatability Studies report meeting of June 9, 1993 note enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000017.PDF	116 KB
BZ-A-000018	6/21/1993
Draft Summary and Analysis of results, Field Treatability Study, Phase II	
Regards document, Draft Summary and Analysis of results, Field Treatability Study (FTS), Phase II, South Walnut Creek Basin, Surface Water Interim Measure / Interim Remedial Action (IM/IRA), Operable Unit OU02, July 1993. US Department of Energy, Rocky Flats Field Office (DOE/RFFO) is requesting a modification of the due date for the Final report based on the request to discontinue collection at the IM/IRA and time agencies may require to adequately review the document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000018.PDF	107 KB
BZ-A-000019	7/28/1993
Remedial Action at Operable Unit OU02	
National Environmental Policy Act (NEPA) Determination for Remedial Action at Operable Unit OU02. The US Department of Energy (DOE) requests that EG&G Rocky Flats, Inc. reevaluated the March 29, 1993, NEPA Action Description Memorandum (ADM) for the OU02 Corrective Measures Study / Feasibility Study (CMS/FS). DOE feels the worst case scenario presented is not realistic.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000019.PDF	92 KB
BZ-A-000020	6/25/1998
Well Abandonment and Replacement Program, Revision 0, page changes	
Well Abandonment and Replacement Program, Revision 0, page changes, see Well Abandonment and Replacement Program (WARP) under AR OU02-A-001512.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000020.pdf	279 KB
BZ-A-000021	8/3/1993
Bedrock Workplan (WP), OU02	
Regards Technical Memorandum TM8 - Bedrock Work Plan (WP), Operable Unit OU02. See TM8 under CERCLA Administrative Record (AR) OU02-A-00607; Phase II Resource Conservation Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) WP (Bedrock) for OU02, Revision under AR OU02-A-000719	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000021.PDF	95 KB
BZ-A-000022	8/17/1993
Revised pages for TM8 - Bedrock Workplan, OU02	
Transmits the revised pages for the Technical Memorandum TM8 - Bedrock Work Plan, Operable Unit OU02. See TM8 under OU02-A-00607; Phase II Resource Conservation Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) Bedrock for OU02 revision under OU02-A-000719.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000022.PDF	659 KB

BZ-A-000023	9/3/1993
OU02 Final TM8 and Contingency Plan Approval	
Operable Unit OU02 Final Technical Memorandum TM8 and Contingency Plan - US Environmental Protection Agency (EPA) has reviewed the referenced document, including the revised pages attached to August 16, 1993, letter, and approves; See TM8 under OU02-A-000607; Phase II Resource Conservation Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Work Plan (WP) Bedrock for OU02 Revision under OU02-A-000719.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000023.PDF	78 KB
BZ-A-000024	8/8/1993
Authorizes initiation of a discard of Pond A-4 at the Rocky Flats Plant	
Authorization for Pond Discharge -- US Department of Energy, Rocky Flats Field Office (DOE/RFFO) authorizes initiation of a discard of Pond A-4 at the Rocky Flats Plant (RFP) per July 27, 1993 request; The Colorado Department of Health (CDH) gave verbal concurrence July 22, 1993 with follow-up verbal concurrence July 28 re: Pond B-5 to A-4 transfer.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000024.PDF	114 KB
BZ-A-000025	8/8/1993
Discharge for the Rocky Flats Plant (RFP) Terminal Pond A-4 based on the results	
Letter confirms verbal Colorado Department of Health (CDH) concurrence, received July 22, 1993, to discharge for the Rocky Flats Plant (RFP) Terminal Pond A-4 based on the results of both the Rocky Flats sampling and CDH sample analysis.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000025.PDF	130 KB
BZ-A-000026	8/10/1993
Comments on the OU02 (903 Pad, Mound and ETA)	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) responds to March 31, 1993 comments on the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Technical Memorandum TM7, Surface Soil Sampling and Analysis Plan (SAP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000026.PDF	70 KB
BZ-A-000027	8/12/1993
Final Pilot Test Plan, SVE Technology Subsurface IM/IRA	
Regards the Operable Unit OU02 Draft Soil Vapor Extraction (SVE) Test Plan, Site No. 2, East Trenches (ETA), Final Pilot Test Plan, Soil Vapor Extraction Technology Subsurface [Interim Measure / Interim Remedial Action] IM/IRA, OU02, January 1993 (Trenches T-3/T-4 involve Individual Hazardous Substance Site IHSS 110 / IHSS 111.1)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000027.PDF	165 KB
BZ-A-000028	8/13/1993
OU02 Final RFI/RI	

Regarding the August 9, 1993, Interagency Agreement (IAG) milestone date for the Operable Unit OU02 Final Resource Conservation Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Report. The letter informs the US Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) that the IAG date will be missed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000028.PDF	114 KB
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BZ-A-000029	8/23/1993
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Occurrence of Nonaqueous Phase Liquid (NAPL) at OU02

Occurrence of Nonaqueous Phase Liquid (NAPL) at Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA). During the drilling of pressure monitoring probes at Individual Hazardous Substance Site IHSS 110, Borehole location 24793 (SPM1) on August 9, 1993, a viscous liquid substance NAPL was encountered. This site was abandoned and replaced by site 24993. The analytical results attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000029.PDF	401 KB
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BZ-A-000030	8/16/1993
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Occurrence of Nonaqueous Phase Liquids (NAPL) at OU02

Regarding the occurrence of Nonaqueous Phase Liquids (NAPL) at Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA). The occurrence of this NAPL was discussed with the US Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH), August 11, 1993. Follow-up requested.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000030.PDF	128 KB
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BZ-A-000031	8/27/1993
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Occurrence of Nonaqueous Phase Liquids (NAPL) at OU02

Regarding the occurrence of Nonaqueous Phase Liquids (NAPL) at Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA). The occurrence of this NAPL was discussed with the US Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH), August 11, 1993. Follow-up August 20, 1993: US Department of Energy (DOE) requesting a preliminary schedule extension until October 22, 1993, for the completion of installation and start up of the IM/IRA test 1.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000031.PDF	109 KB
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BZ-A-000032	8/23/1993
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Soil Vapor Extraction (SVE) Pilot Plant schedule slippage

Operable Unit OU02 subsurface Interim Measure / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE) Pilot Plant schedule slippage. A revised schedule is attached; the revised date for pilot testing is October 15, 1993.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000032.PDF	425 KB
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BZ-A-000033	8/31/1993
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Meeting minutes for Operable Unit OU02

Provides enclosed meeting minutes for Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) with US Department of Energy (DOE), US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH), August 11, 1993. Topics included OU02 miscellaneous items (Technical Memorandum TM8, revised Bedrock Work Plan (WP) and Contingency Plan); Subsurface IM/IRA implementation and operation plan; identification of Nonaqueous Phase Liquid (NAPL) at Individual Hazardous Substance Site IHSS 110; location of test site 1 (IHSS 110 v IHSS 111.1); preliminary results of the soil gas survey; stop work request for risk assessments - will impact OU01 through OU07; and TM5, Exposure Scenarios.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000033.PDF 186 KB

BZ-A-000034

9/3/1993

OU02 Surface Water Treatability Study Report

Letter forwards enclosed August 20, 1993, Operable Unit OU02 Surface Water Treatability Study Report [Interim Measures / Interim Remedial Action (IM/IRA) (Walnut Creek)] meeting minutes/notes.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000034.PDF 359 KB

BZ-A-000035

9/10/1993

Readiness review for OU02 Soil Vapor Extraction (SVE) Pilot Test Project

Status of and approach to readiness review for Operable Unit OU02 Soil Vapor Extraction (SVE) Pilot Test Project: Letter summarizes Environmental Restoration Management's (ERM) approach to assessing the readiness to operate OU02 SVE Pilot Test Project.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000035.PDF 1 MB

BZ-A-000036

9/10/1993

Sampling decrease at OU02 Surface Water FTU

Sampling decrease at Operable Unit OU02 Surface Water Field Treatability Unit (FTU) - Environmental Restoration Management/Facility Operations Management (ERM/FOM) is proposing to modify the current Sampling Plan at the OU02 Field Treatability Unit (FTU). OU02 Project Management agree the reduction in sampling is justifiable and appropriate.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000036.PDF 141 KB

BZ-A-000038

9/13/1993

Impact of Nonaqueous Phase Liquids (NAPL) and their effect

Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Soil Vapor Extraction (SVE) Pilot Testing: Letter concerns meeting held September 8th, with the US Environmental Protection Agency (EPA) to discuss the impact of Nonaqueous Phase Liquids (NAPL) and their effect on the performance of the SVE Pilot Plant.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000038.PDF 142 KB

BZ-A-000039

9/14/1993

Treatability Study Report Sampling discrepancy at SW-132

Operable Unit OU02 Surface Water Interim Measures / Interim Remedial Action (IM/IRA) Treatability Study Report Sampling discrepancy at SW-132. An informal quality assessment of environmental sampling at the OU02 Field Treatability Unit (FTU) unidentified a problem with surface water locations SW-132. EG&G Rocky Flats, Inc. has taken action to correct the problem and to characterize the culvert water.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000039.PDF	93 KB
BZ-A-000040	9/15/1993
Pilot testing of the subsurface IM/IRA SVE Pilot Project	
Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE). EG&G Rocky Flats, Inc. is ready to conduct pilot testing of the subsurface IM/IRA SVE Pilot Project, but will not do so due to site conditions Nonaqueous Phase Liquids (NAPL) which are outside the range of operating conditions presented in the decision document and pilot test plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000040.PDF	82 KB
BZ-A-000041	9/17/1993
Schedule extension request for all Table 6 Milestones for OU02.	
Schedule extension request for all Table 6 milestones for Operable Unit OU02. The new OU02 Interagency Agreement (IAG) Milestone dates are summarized in the included table.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000041.PDF	117 KB
BZ-A-000042	9/22/1993
Division comments on TM5, Exposures Scenarios, OU02	
The Colorado Department of Health (CDH), Hazardous Waste Management Division (HZMD), has reviewed US Department of Energy (DOE) response to Division comments on the Technical Memorandum TM5, Exposures Scenarios, Operable Unit OU02, January 1993. Comments submitted March 12, 1993 and DOE submitted responses to those comments, May 24, 1993; however, the Division has remaining concerns.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000042.PDF	207 KB
BZ-A-000043	9/24/1993
CDH grants 5 week schedule extension for OU02 (903 Pad, Mound and ETA) Subsurface IM/IRA startup	
Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) schedule extension - Re: In a September 16, 1993 letter (attached), US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) granted a five week schedule extension (to October 22, 1993) for the OU02 903 Pad, Mound and East Trenches Area (ETA) Subsurface IM/IRA startup. If additional time is needed, a prompt response is required.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000043.PDF	179 KB
BZ-A-000044	9/24/1993
Status of OU02 Bedrock Field Project	

Status of Operable Unit OU02 Bedrock Field Project. The quick turnaround data for the B-series well attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000044.PDF	215 KB
BZ-A-000045	9/27/1993
OU02 notification as per September 16, 1993 Secretarial Guidance	
Notice of Violation (NOV) for Operable Unit OU02 notification as per September 16, 1993 Secretarial Guidance - In compliance of the September 16 and August 18, 1993 memoranda fro the Secretary, US Department of Energy (DOE) is providing ten day follow-on information from the September 13, 1993 memo; the NOV was received September 10, 1993 from the Colorado Department of Health (CDH) and US Environmental Protection Agency (EPA) for missing a milestone under the Interagency Agreement (IAG). The missed milestone is for the Final Resource Conservation Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) Report for OU02 903 Pad, Mound and East Trenches Area (ETA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000045.PDF	595 KB
BZ-A-000046	1/17/1993
Demo, Testing, Eval of Non-Intrusive Characterization Technologies at OU02	
The Health and Safety Plan (HASP) for the Demonstration, Testing, and Evaluation of Non-Intrusive Characterization Technologies at Operable Unit OU02 has been reviewed by the EG&G Rocky Flats, Inc. / Rocky Flats Plant (RFP) Health and Safety Liaison Officer and the Environmental Restoration Health and Safety Officer. Based upon the review and comments, the approval of the HASP is recommended.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000046.PDF	84 KB
BZ-A-000048	1/4/1995
GAC from the OU02 Field Treatment Unit	
Regulatory status of the Granular Activated Carbon (GAC) from the Operable Unit OU02 Field Treatment Unit. Documents the resolution of several issues associated with the regulatory status of the GAC from the OU02 Field Treatability Unit (FTU).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000048.PDF	393 KB
BZ-A-000050	7/28/1998
Modification initiated last summer has been completed, OU01 and OU02	
Correspondence informing the US Environmental Protection Agency (EPA) the the Operable Unit OU01 and OU02 Interim Measure / Interim Remedial Action (IM/IRA) Decision Document (DD) modification initiated last summer has been completed. The Administrative Transfers included in the modifications are documented herein; Draft Rocky Flats Environmental Technology Site (RFETS) Integrated Monitoring Plan (IMP), May 1988, included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000050.PDF	495 KB
BZ-A-000051	10/7/1993

Nonaqueous Phase Liquid (NAPL) at OU02 Test Site No. 1	
Letter concerns Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA), specifically September 18, 1993, US Environmental Protection Agency (EPA) statement concerning the presence of Nonaqueous Phase Liquid (NAPL) at OU02 Test Site No. 1 for the subsurface IM/IRA utilizing Soil Vapor Extraction (SVE). The statement was specific to the performance of the Granular Activated Carbon (GAC) utilized to treat the extracted vapors. The statement also addressed whether Free Phase NAPLs were expected at Individual Hazardous Substance Site (IHSS) IHSS 110 (T-3), the location of Test Site No. 1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000051.PDF	125 KB
BZ-A-000052	10/8/1993
Nonaqueous Phase Liquid (NAPL) at OU02 Test Site No. 1	
Regards July 13, 1993, submission of document entitled Draft Summary and Analysis of Results, Field Treatability Study (FTS), Phase II, South Walnut Creek Basin, Surface Water Interim Measure / Interim Remedial Action (IM/IRA) Non-aqueous Phase Liquid (NAPL) at OU02 Test Site No. 1 . The data collected for this location was instead taken from South Walnut Creek downstream of IM/IRA. This make all the data in the subject document invalid. Copies of the preliminary results of sampling at SW0132 are enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000052.PDF	435 KB
BZ-A-000053	10/8/1993
SW-132 at a location including the water discharged from the OU02 Walnut Creek	
Letter concerning SW-59 diversion and modification to Sampling Plan for Operable Unit OU02 Walnut Creek Interim Measures / Interim Remedial Action (IM/IRA). Memorandum is in reference to September 10, 1993, letters concerning diversion of contaminated water upgradient of Surface Water (SW) Station SW-59 and sampling decrease for the OU02 IM/IRA.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000053.PDF	101 KB
BZ-A-000054	10/8/1993
Letter concerning a schedule extension for OU02	
Memorandum is in reference to September 17, 1993, letter concerning a schedule extension for Operable Unit OU02. Appropriate documentation to address "good cause" reasons as well as supporting rationale for the current schedule are requested before an extension for the draft and final Corrective Measures Study/Feasibility Study (CMS/FS) documents.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000054.PDF	72 KB
BZ-A-000055	10/12/1993
FSP for the OU02 South Walnut Creek surface water FTU	
Letter regards changes to the Operable Unit OU02 Surface Water Treatments System Field Sampling Plan: EG&G Rocky Flats, Inc. is revising the Field Sampling Plan (FSP) for the OU02 South Walnut Creek surface water Field Treatment Unit (FTU) because 1) The sample location discrepancy at the culvert that drains into south Walnut Creek, discovered during an EG&G Rocky Flats Plant (RFP) Self Evaluation, has been resolved; 2) The current FSP only addresses samples collected from the FTU.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000055.PDF	129 KB
BZ-A-000056	10/12/1993
Concerns sampling discrepancies at the Operable Unit OU02	
Concerns sampling discrepancies at the Operable Unit OU02 Surface Water Interim Measures / Interim Remedial Action (IM/IRA) Field Treatment Unit (FTU). On August 19, 1993, EG&G Rocky Flats, Inc. discovered a sampling discrepancy at the OU02 Surface Water (SW) IM/IRA Field Treatment Unit (FTU). US Department of Energy (DOE), US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) were notified of this discrepancy at the beginning of September. As a result of this sampling discrepancy Environmental Quality Support (EQS) was directed to perform an audit of the sampling program at the OU02 FTU. The assessment evaluated the sampling locations and methodologies associated with the OU02 SW IM/IRA Treatability Study Report (TSR). The existing controlled field sampling plan for the FTU will be modified to reflect the current needs of the IM/IRA. (Data regarding water quality at culvert at south Walnut Creek, AKA SW-132, enclosed).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000056.PDF	225 KB
BZ-A-000057	10/13/1993
Field Treatment Unit (FTU) at South Walnut Creek	
Concerns modification to the Sampling Analysis Plan (SAP) for the Operable Unit OU02 Surface Water Interim Measures / Interim Remedial Action (IM/IRA). Based on the needs of the OU02 Surface Water (SW) IM/IRA TSR, EG&G Rocky Flats, Inc. is suggesting modifications to the SAP for operation and maintenance of the FTU for OU02 currently in place. The suggested changes are based upon two scenarios. The first assumes that the reporting period for the TSR is completed. The second assumes that TSR is ongoing. RPM is waiting on guidance from US Department of Energy (DOE) to determine whether the reporting period for the TSR is completed. The suggested modifications include requirements for sampling of the sources that drain into south Walnut Creek (SW-59, SW-61 and SW-1693).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000057.PDF	173 KB
BZ-A-000058	10/13/1993
OU02, OU03 and OU06 also subject to same milestone extensions based on language	
Letter regarding supporting documentation for Operable Unit OU02 Corrective Measures Study/Feasibility Study (CMS/FS) schedule extension request. The extension requests specifically addresses OU02; OU03 and OU06 are also subject to the same milestone extensions based on the language in the Interagency Agreement (IAG). OU03 and OU06 will not meet the above IAG scheduled duration due to the complexity of the CMS/FS work. Supporting information enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000058.PDF	211 KB
BZ-A-000059	10/18/1993
Unexpected occurrence of the Nonaqueous Phase Liquid (NAPL)	

Regards discussion during meeting on October 12, 1993 with the US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) to discuss alternatives for the OU02 subsurface Interim Measures / Interim Remedial Action (IM/IRA) based upon the unexpected occurrence of the Nonaqueous Phase Liquid (NAPL). They supported DOE recommendations to proceed with the first test at Individual Hazardous Substance Site (IHSS) 110 (T-3) and perform modifications to the treatment system for air flow volume control, thermocouples, and real time monitoring.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000059.PDF 112 KB

BZ-A-000060

10/19/1993

OU02 Corrective Measures Study/Feasibility Study (CMS/FS)

Reevaluation of the National Environmental Policy Act (NEPA) Action Description Memorandum (ADM) for remedial action at Operable Unit OU02. EG&G Rocky Flats, Inc. has revised the ADM for the OU02 Corrective Measures Study / Feasibility Study (CMS/FS). The attached ADM takes into account current remediation information as well as the latest available characterization data. The ADM was reviewed on October 7, 1993, at which time the NEPA Compliance Committee (NCC) recommended that an Environmental Assessment (EA) was the appropriate level of NEPA documentation for the project. Action Description Memorandum for OU02 Corrective Measures Study / Feasibility Study (CMS/FS), October 1993 attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000060.PDF 412 KB

BZ-A-000061

10/25/1993

Treatment of non-detects in the draft OU02 surface water IM/IRA

Transmits attached response to treatment of non-detects in the draft Operable Unit OU02 surface water Interim Measures / Interim Remedial Action (IM/IRA) [OU02 IM/IRA] Phase II Report and the OU01 Final Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) OU01 report; Environmental Data Analysis and Storage detection limit issues attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000061.PDF 393 KB

BZ-A-000062

10/26/1993

Concern about EA being adequate NEPA documentation for described OU02 activities

National Environmental Policy Act (NEPA) documentation for the Operable Unit OU02 remediation: upon review of the revised Action Description Memorandum (ADM) that EG&G Rocky Flats, Inc. transmitted to the US Department of Energy (DOE) on October 19, 1993. There remains considerable concern about an Environmental Assessment (EA) being adequate NEPA documentation for the described OU02 activities, particularly the soil remediation.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000062.PDF 103 KB

BZ-A-000063

10/29/1993

Surface Water (SW) FTU Quarterly Report

Letter transmits the enclosed Operable Unit OU02 Interim Measure / Interim Remedial Action (IM/IRA) Surface Water (SW) Field Treatability Unit (FTU) Quarterly Report (Work Package No. 12050) for July through September, 1998, dated October 1998.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000063.PDF 533 KB

BZ-A-000064	11/2/1993
Surface Water (SW) location SW-132, collected for 14 day period September 7, 1993, through September 20, 1993	
Enclosed are the results from Surface Water (SW) location SW-132, collected for a 14 day period from September 7, 1993, through September 20, 1993. The results presented are from Analytes from which Applicable or Relevant and Appropriate Requirements (ARARs) have been established. The daily sampling was performed in response to the sampling discrepancy with the location of SW-132 at OU02. The data obtained from the 14 days of sampling from the culvert that drains into south Walnut Creek Interim Measures / Interim Remedial Action (IM/IRA) Draft Treatability Study Report (TSR). The conclusions presented in the report are valid with respect to the discontinuation of collection and treatment of SW-132.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000064.PDF	212 KB
BZ-A-000065	11/4/1993
Additional extension on Site I SVE Pilot Test Startup - Approval	
Regarding the Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA): US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) have reviewed the October 19, 1993 US Department of Energy (DOE) request for an additional extension on the Site I Soil Vapor Extraction (SVE) Pilot Test Startup deadline, and the supplemental October 21, 1993 correspondence regarding expedited action. Approval is granted.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000065.PDF	112 KB
BZ-A-000066	11/4/1993
Quarterly Notification for Periods of Non-Collection at OU02 Field Treatability Unit	
Letter provides the US Department of Energy (DOE) with a Quarterly Notification for Periods of Non-Collection at the Operable Unit OU02 Field Treatability Unit (FTU) for the months of August, September and October, 1993.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000066.PDF	83 KB
BZ-A-000067	11/9/1993
45-day public comment period for purpose of incorporating Subsurface IM	
Permit Modification, Operable Unit OU02 Corrective Action Schedule of Compliance - On April 16, 1992, the Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division (HZMD), initiated a 45-day Public Comment Period for the purpose of incorporating Subsurface Interim Measure / Interim Remedial Action (IM/IRA) for three (3) areas in OU02 into the corrective action part of the Rocky Flats Operating Permit. The Subsurface IM/IRA outlines a plan to identify and evaluate different ways to remove residual Free Phase Volatile Organic Compounds (VOCs). The Milestone schedule additions into the corrective action (Part XV) of the Rocky Flats Permit are enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000067.PDF	111 KB
BZ-A-000068	11/9/1993
NAPL as test case to demonstrate that EG&G could expedite action at RFs.	

Operable Unit OU02 Nonaqueous Phase Liquid (NAPL) expedited action. An OU02 Scoping Meeting is scheduled for the week of November 9, 1993. EG&G Rocky Flats, Inc. has agreed to pursue this NAPL expedited action as a test case to demonstrate to the US Environmental Protection Agency (EPA), Colorado Department of Health (CDH) and US Department of Energy (DOE) that EG&G could expedite action at Rocky Flats.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000068.PDF 108 KB

BZ-A-000070

11/12/1993

Surface Water (SW) SW-59 diversion and modification to SAP

Surface Water (SW) SW-59 diversion and modification to the Sampling and Analysis Plan (SAP) for the Operable Unit OU02 SW Interim Measures / Interim Remedial Action (IM/IRA) [11735] - Per request, the source of SW-59 is in the process of being characterized. To ensure that all water is collected, EG&G Rocky Flats, Inc. proposes to modify the seep areas as per the attached drawing. No modifications to the OU02 IM/IRA Sampling and Analysis Plan (SAP) will be required for this seep. However, the Sap is currently being modified to reflect current changes in sampling requirements.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000070.PDF 122 KB

BZ-A-000071

11/16/1993

Process improvement from the revised OU02 Bedrock Field Program

Process improvement from the revised Operable Unit OU02 Bedrock Field Program. As requested, a summary of the difference in approach and the estimated costs associated with the original and revised OU02 Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Bedrock Field Program Summary is attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000071.PDF 159 KB

BZ-A-000072

2/14/1994

Process improvement from the revised OU02 Bedrock Field Program

Submits the attached [000075] Draft Final Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Process improvement from the revised OU02 Bedrock Field Program Soil Vapor Survey (SVS) Report, dated February 1994. This transmittal is in support of the Interagency Agreement (IAG) through the final OU02 Proposed Subsurface IM/IRA/EA, dated March 20, 1992.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000072.PDF 80 KB

BZ-A-000073

3/2/1994

Draft Final OU02 Subsurface IM/IRA Plan

Submits the attached [000075] Draft Final Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Plan / Environmental Assessment Soil Vapor Survey (SVS) Report, dated February 1994. This transmittal is in support of the Interagency Agreement (IAG) through the Final OU02 Proposed Subsurface IM/IRA/EA, dated March 20, 1992.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000073.PDF 58 KB

BZ-A-000074

3/2/1994

Environmental Assessment Soil Vapor Survey (SVS) Report	
Submits the attached [000075] Draft Final Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Plan / Environmental Assessment Soil Vapor Survey (SVS) Report, dated February 1994. This transmittal is in support of the Interagency Agreement (IAG) through the Final OU02 Proposed Subsurface IM/IRA/EA, dated March 20, 1992.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000074.PDF	48 KB
BZ-A-000075	
2/1/1994	
Draft Final Operable Unit OU02 Subsurface IM/IRA SVS Report, February 1994	
Draft Final Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) Soil Vapor Survey (SVS) Report, dated February 1994. This document presents the investigative findings of the Subsurface IM/IRA/EA and Decision Document (DD) for OU02, dated September 10, 1992 for the Solid Vapor Survey at the Rocky Flats Plant (RFP). The SVS work is part of a comprehensive, phased program of site characterization, remedial investigations, feasibility studies and remedial /corrective action in progress to address contamination existing within the Individual Hazardous Substance Sites (IHSS) at OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000075.pdf	6 MB
BZ-A-000076	
9/12/1997	
Supplement to Site-Specific HASP Implementation of Phase I	
Supplement to Site-Specific Health and Safety Plan (HASP) Implementation of Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) Rocky Flats Plant Operable Unit OU02 Surficial Soil Program at Rocky Flats Plant. This is a reissue, not a revision, to include addendums 1 through 8 (see AR OU02-A-000782).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000076.pdf	5 MB
BZ-A-000077	
9/12/1997	
RFI/RI 903 Pad, Mound and East Trenches Areas ETA (OU02)	
Health and Safety Plan (HASP) (Accident Prevention Safety Program Plan) Rocky Flats Plant (RFP) Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) OU02 903 Pad, Mound and East Trenches Area (ETA), RFP; April 1991, Contract No. BA71956 PB, Version 0.0 - This is a reissued, not revised document to include a Rocky Mountain Remediation Services (RMRS) Document Control Number (see HASP under Administrative Record (AR) OU02-A-000990).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000077.pdf	10 MB
BZ-A-000078	
8/25/1998	
Closeout of June 11, 1998 inspection Present Landfill and PU&D Yard - No issues	
On June 11, 1998, inspectors from the Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division (HZMD) conducted a compliance evaluation inspection of the Present Landfill (Individual Hazardous Substance Site IHSS 114) and the Property Utilization and Disposal (PU&D) Yard (IHSS 170) at the Rocky Flats Environmental Technology Site (RFETS/Site). No issues were identified as a result of that inspection.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000078.PDF	1 MB
BZ-A-000079	8/28/1998
Provides notification to the CDPHE of the direct discharge at RFETS Pond A-4	
Provides notification to the Colorado Department of Public Health and Environment (CDPHE) of the direct discharge at Rocky Flats Environmental Technology Site (RFETS) Pond A-4. Appropriate Rocky Flats Cleanup Agreement (RFCA) compliance point sampling at GS11 (below A-4) and GS03 (Walnut Creek and Indiana Street) will be collected during the discharge, as well as the required National Pollution Discharge Elimination System (NPDES) samples for Pond A-4.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000079.PDF	96 KB
BZ-A-000080	9/30/1998
RMRS Operations Procedure: Pond Sampling	
RMRS Operations Procedure: Pond Sampling, September 30, 1998 - The purpose of the Rocky Mountain Remediation Service (RMRS) procedure is to describe the techniques and methods used for the collection of pond samples at the Rocky Flats Environmental Technology Site (RFETS); describes methods of field parameters in water from the ponds.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000080.PDF	895 KB
BZ-A-000081	9/17/1998
RMRS Operations Procedure: Sediment Sampling	
RMRS Operations Procedure: Sediment Sampling, September 17, 1998 - This Rocky Mountain Remediation Service (RMRS) procedure describes procedures that will be used at the Rocky Flats Environmental Technology Site (RFETS) to collect bed material samples from streams, ditches, ponds, and samples of water deposited material in dry areas that meet acceptable standards of accuracy, precision, comparability, representativeness, and completeness.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000081.PDF	849 KB
BZ-A-000082	11/17/1993
Activated Carbon Regeneration Demonstration	
Activated Carbon Regeneration Demonstration - This project would seek to demonstrate the regeneration of activated carbon using steam reforming technology developed by Synthetica Technologies, Inc.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000082.PDF	121 KB
BZ-A-000083	11/23/1993
Approval of the October 19, 1993 NEPA documentation for OU02	
Approval of the October 19, 1993 National Environmental Policy Act (NEPA) documentation for Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000083.PDF	189 KB

BZ-A-000084	11/23/1993
July 1993 draft report on Phase II Field Treatability Studies completed as Surface Water	
US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) have reviewed the July 1993 draft report on the Phase II Field Treatability Studies completed as a Surface Water (SW) Interim Measures / Interim Remedial Action (IM/IRA) at OU02; comments attached (see AR OU02-A-000893 through OU02-A-000895 for Treatability Study, volumes I through III, fax copy, best available copy).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000084.PDF	359 KB
BZ-A-000085	12/2/1993
Acknowledging the previously granted extension for the OU02 Subsurface	
Acknowledging the previously granted extension for the OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE) for the Site 1 Pilot Tests, letter requests additional schedule extension for listed (IM/IRA, SVE) milestone dates.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000085.PDF	120 KB
BZ-A-000086	12/2/1993
Quarterly notification of periods of non-collection of water as result of tech difficulties with the Operable Unit (OU) OU02 Walnut Creek	
Per Regulator request, letter provides quarterly notification of periods of non-collection of water as a result of technical difficulties with the Operable Unit OU02 Walnut Creek Interim Measures / Interim Remedial Action Plan (IM/IRA). This notification covers the period August through October, 1993.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000086.PDF	122 KB
BZ-A-000087	12/14/1993
July 1993 Draft report on Phase II Field Treatability Studies completes Surface Water	
Colorado Department of Health (CDH), Hazardous Waste Management Division (HZMD), has reviewed the July 1993 Draft report on the Phase II Field Treatability Studies completes a Surface Water Interim Measure / Interim Remedial Action (IM/IRA) at Operable Unit OU02; comments attached (See CERCLA Administrative Record (AR) OU02-A-000893...895 for Treatability Study, Volumes I through III) (FAX copy, Best Available Copy)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000087.PDF	541 KB
BZ-A-000088	12/14/1993
Response to DOE audit concerning the OU02 Surface Water (SW) activities	
Letter provides response to the Department of Energy (DOE) audit 94-QA-L2-002 concerning the Operable Unit OU02 Surface Water (SW) activities; responses attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000088.PDF	351 KB
BZ-A-000089	12/15/1993

Report for the 903 Pad, Mound and East Trenches Areas ETA, OU02, without BRA	
Forwards the initial Draft Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) report for the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), without the Baseline Risk Assessment (BRA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000089.PDF	117 KB
BZ-A-000090	12/17/1993
EPA granted approval of the extension of the start up date for the OU02	
Provides the attached [000065] US Environmental Protection Agency (EPA) approval of the extension of the start up date for the Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Soil Vapor Extraction (SVE), Pilot Test No. 1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000090.PDF	130 KB
BZ-A-000091	12/17/1993
HHRA, 903 Pad, Mound and East Trenches Areas ETA, OU02, Chemicals of Concern	
Draft Final Document entitled, Technical Memorandum TM9, Human Health Risk Assessment (HHRA), Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), Chemicals of Concern, December 1993, were submitted to the Regulators December 8, 1993. US Department of Energy (DOE) requests an expedited review and comments.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000091.PDF	100 KB
BZ-A-000092	12/17/1993
Events surrounding the shutdown / non-treatment of surface water at the Operable Unit (OU) OU02 Field Treatability Unit	
Provides a report explaining the events surrounding the shutdown / non-treatment of surface water at the Operable Unit OU02 Field Treatability Unit (FTU) - Membrane Failure Resulting in Shutdown of Operations at the OU02 FTU, November 15, 1993	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000092.PDF	1 MB
BZ-A-000093	12/17/1993
OU02 IHSS 110 expedited action; Prelim Assessment of tasks required attached	
Operable Unit OU02, Individual Hazardous Substance Site IHSS 110 expedited action; Preliminary Assessment of tasks required for removal of subsurface contamination at OU02 IHSS 110 attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000093.PDF	406 KB
BZ-A-000094	12/17/1993
Vac Trax Thermal Processing System	

Vac Trax Thermal Processing System - currently, EG&G Rocky Flats, Inc.'s Technology Development Group at Rocky Flats is evaluating the Vac Trax process as a potential means to treat materials contaminated with volatile organics. Test work is being carried out under contract with the Clemson Technology Center (CTC). Part of the proposed test work would include treatment of some soils contaminated with Volatile Organic Compounds (VOC).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000094.PDF	109 KB
BZ-A-000095	12/23/1992
Review comments conveyed relative to the Final Phase II, Aquifer Test Report	
Provides response to attached review comments conveyed relative to the Final Phase II Resource Conservation Recovery Act (RCRA) Facility Investigation / Remedial Investigation (RFI/RI) Aquifer Test Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000095.PDF	271 KB
BZ-A-000096	9/15/1994
Mining Exposure Scenario for the Baseline Risk Assessments	
Transmits August 9, 1994 document titled, Mining Exposure Scenario for the Baseline Risk Assessments at the Rocky Flats Environmental Technology Site (RFETS). Requests Agencies' review and written comments by October 3, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000096.PDF	137 KB
BZ-A-000097	9/9/1994
Mining Exposure Scenario for the BRAs at the RFETS	
Mining Exposure Scenario for the Baseline Risk Assessments (BRAs) at the Rocky Flats Environmental Technology Site (RFETS), August 9, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000097.PDF	1 MB
BZ-A-000098	1/5/1994
Process improvements at the OU02 Field Treatability Unit	
Process improvements at the Operable Unit OU02 Field Treatability Unit (FTU) - Two Process Improvement items have been installed and are now operational at the OU02 FTU.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000098.PDF	129 KB
BZ-A-000099	1/5/1994
Quarterly report for Bioremediation Treatability Study Task, first quarter FY94	
Quarterly report for Bioremediation Treatability Study Task, First Quarter of Fiscal Year 1994 (FY94) baseline schedule attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000099.PDF	268 KB
BZ-A-000100	1/10/1994

Report and defined analytical methodologies to be used during the FS/CMS process	
Summarizing comments made during Operable Unit OU02 Feasibility Study / Corrective Measures Study (FS/CMS) meeting on December 23, 1993. Meeting outlined requirements for the FS/CMS report and defined analytical methodologies to be used during the FS/CMS process.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000100.PDF	117 KB
BZ-A-000101	1/11/1994
Regards RCRA CPIR No. 93-010	
Transmittal of letter for forwarding to the State in response to the Colorado Department of Health (CDH) memo dated December 29, 1993, Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report No. 93-010	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000101.PDF	148 KB
BZ-A-000102	1/11/1994
Influent process water data to ARARs	
Comparison of Operable Unit OU02 Field Treatability Unit (FTU) influent process water data to Applicable or Relevant and Appropriate Requirements (ARARs) - written in response to the December 29, 1993 Colorado Department of Health (CDH) request.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000102.PDF	180 KB
BZ-A-000103	1/11/1994
Regards RCRA CPIR No. 93-010.	
US Department of Energy (DOE) response to Colorado Department of Health (CDH) letter, dated December 28, 1993, referring to the Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report No. 93-010.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000103.PDF	421 KB
BZ-A-000104	1/12/1994
August 1993 Final Project-Specific Health and Safety Plan (HASP)	
August 1993 Final Project-Specific Health and Safety Plan (HASP) for Soil Vapor Extraction (SVE) subsurface Interim Measure / Interim Remedial Action (IM/IRA), East Trenches Area (ETA) of Operable Unit OU02; review attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000104.PDF	340 KB
BZ-A-000105	1/21/1994
Comments on the October 1993 Health and Safety Plan (HASP)	
Provides comments on the October 1993 Health and Safety Plan (HASP) for Operable Unit OU02 - Demonstration, Testing and Evaluation of Non-Intrusive Characterization Technologies.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000105.PDF	339 KB

BZ-A-000106	1/26/1994
Response to DOE concerns about the reoccurring OU02 occurrences	
Letter provides information in response to US Department of Energy (DOE) concerns about the reoccurring Operable Unit OU02 occurrences.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000106.PDF	192 KB
BZ-A-000107	1/26/1994
Notification of Effluent Treatment Requirement Exceedances at the OU02 FTU	
Notification of Effluent Treatment Requirement Exceedances at the Operable Unit OU02 Field Treatability Unit (FTU).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000107.PDF	108 KB
BZ-A-000108	1/28/1994
Periods of Non-Collection at the OU02 Field Treatability Unit	
Quarterly Notification for Periods of Non-Collection at the Operable Unit OU02 Field Treatability Unit (FTU) for the months of November and December, 1993, and January, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000108.PDF	130 KB
BZ-A-000109	1/31/1994
OU02 occurrence on January 21, 1994, resulting from 1 hour period of non-collection due to maintenance activities	
Operable Unit OU02 occurrence on January 21, 1994, resulting from a one hour period of non-collection due to maintenance activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000109.PDF	130 KB
BZ-A-000110	1/27/1994
Submits the OU02 Subsurface IM/IRA Soil Vapor Survey (SVS) Report	
In support of the Interagency Agreement (IAG) through the Final Operable Unit OU02 Proposed Substance Interim Measure / Interim Remedial Action / Environmental Assessment (IM/IRA/EA) dated March 20, 1992, EG&G Rocky Flats, Inc. submits the OU02 Subsurface IM/IRA Soil Vapor Survey (SVS) Report for US Department of Energy (DOE) review and comment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000110.PDF	92 KB
BZ-A-000111	1/7/1994
Sic phase heating - EG&G is proposing to modify the existing project	
Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) Soil Vapor Survey (SVS) - Sic phase heating - EG&G Rocky Flats, Inc. is proposing to modify the existing project scope to conduct a comprehensive SVS at three areas within Individual Hazardous Substance Sites IHSS 112 and 113.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000111.PDF	126 KB

BZ-A-000112	2/8/1994
Complete the scope and cost estimate for the proposed OU02	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) requests that EG&G Rocky Flats, Inc. complete the scope and cost estimate for the proposed Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) Soil Vapor Survey (SVS) - Six phase heating.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000112.PDF	92 KB
BZ-A-000113	2/9/1994
August 12, 1994, Stop Work Order	
Letter regards the August 12, 1994, Stop Work Order received from the US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) for baseline risk assessment activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000113.PDF	307 KB
BZ-A-000114	2/10/1994
Draft Expedited Action for Operable Unit OU02	
Submits enclosed Draft Expedited Action for Operable Unit OU02. The EA requested by the US Department of Energy, Rocky Flats Field Office (DOE/RFFO) involves the excavation of Nonaqueous Phase Liquid (NAPL) encountered while drilling in Trench 3 (T-3), Individual Hazardous Substance Site IHSS 110.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000114.PDF	561 KB
BZ-A-000117	2/10/1995
OU02 (903 Pad, Mound and ETA) Document	
Letter confirms hand delivery of Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) document, Technical Memorandum TM1, development of corrective/remedial action objectives for OU02, final revision 2, dated January 1995. This is the first TM1 for the OU02 Corrective Measures Study / Feasibility Study (CMS/FS).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000117.PDF	95 KB
BZ-A-000119	2/17/1995
Notice of Cancellation of Iron Pretreatment System Addition to OU01 Treatment System	
Notice of Cancellation of Iron Pretreatment System Addition to the Operable Unit OU01 Treatment System. As of February 3, 1995, the US Department of Energy, Rocky Flats Field Office (DOE/RFFO) has decided to take the Pond Water Interim Measures / Interim Remedial Action (IM/IRA) back to Dispute Resolution in an attempt to reverse the decision made on April 15, 1994, to implement a leachate collection system for the active landfill. This decision has halted all progress of the procurement process causing a slip in the schedule of the construction of the Seep Collection System. (Effects the OU01 / OU02 Integration schedule)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000119.PDF	75 KB

BZ-A-000120	12/29/1994
Eliminate residential uses from the future use plans	
Regarding the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), the Rocky Flats Field Office's (RFFO) Future Site Use Working Group has agreed to eliminate residential uses from the future use plans (based upon the December 8, 1994, draft meeting minutes). Therefore, Target Preliminary Remediation Goals/Remedial Action Objectives (PRG/RAOs) should not consider residential use for the OU02 Corrective Measures Study/Feasibility Study (CMS/FS) Technical Memorandum TM1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000120.PDF	99 KB
BZ-A-000121	11/30/1994
OU02 Draft Final TM5 exposure scenarios responses	
Letter transmits enclosed Operable Unit OU02 Draft Final Technical Memorandum TM5: Exposure Scenarios, responses to US Department of Energy (DOE) comments.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000121.PDF	447 KB
BZ-A-000122	11/16/1994
SVE as In-Situ Method demonstrated at 3 geologically distinct environs within OU02	
Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) Pilot Test Program - The Subsurface IM/IRA Plan identified Soil Vapor Extraction (SVE) as an In-Situ Method to be demonstrated at three geologically distinct environments within OU02. Pilot testing at Test Site 1, performed at Individual Hazardous Substance Site (IHSS) 110, was completed in June, 1994. The scope associated with test site 2 is still being evaluated. The location, scope, and schedule associated with test site 3 is being evaluated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000122.PDF	249 KB
BZ-A-000123	12/1/1994
Scope change for Technical Memoranda TM4 and TM1	
Operable Unit OU02 Subsurface Interim Measure / Interim Remedial Action (IM/IRA) Pilot Test Program - EG&G Rocky Flats, Inc. requests US Department of Energy, Rocky Flats Field Office (DOE/RFFO) direction on issues: {1} Scope change for Technical Memorandum TM4, {2} Scope change for Site No. 1 Soil Vapor Extraction (SVE) Pilot Test Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000123.PDF	155 KB
BZ-A-000124	11/3/1994
Implementation of Accelerated Removal Actions for OU02	
Implementation of Accelerated Removal Actions for Operable Unit OU02 - The OU02 Characterization Team performed an analysis on the implementation of an accelerated response Axinn on the Trenches of OU02. The proposed accelerated removal Axinn would include further characterization of Trench 1 (T-1) of the Mound Area, T-2 of the 903 Pad Area; T-3, T-4, T-10, T-11, and T-13 of the Northeast Trenches area; and T-5, T-6, T-7, T-8, T-9, and T-12 of the Southeast Trenches area using Electromagnetic Surveys and Limited Intrusive Investigations within the perimeter of the Trench boundaries.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000124.PDF	229 KB

BZ-A-000125	11/3/1994
Recommendations from EG&G Rocky Flats Soil Vapor, Six-Phase Program	
Recommendations from EG&G Rocky Flats, Inc. Senior Management Review of Soil Vapor Extraction (SVE) and Six-Phase Heating Program (SPSH) currently being conducted under the Subsurface Interim Measures / Interim Remedial Action Plan (IM/IRA) Program for Operable Unit OU02 Closures for removal of Subsurface Volatile Organic Compounds (VOCs).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000125.PDF	304 KB
BZ-A-000126	11/1/1994
Draft Phase I results for the Chemically Enhanced Steam Stripping Treatability Study	
Transmits the enclosed Draft Phase I results for the Chemically Enhanced Steam Stripping (of Radionuclides from Rocky Flats Plant (RFP) soils) Treatability Study for review and comments.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000126.PDF	958 KB
BZ-A-000127	10/28/1994
Final Physical Separation Treatability Study	
Letter submits the enclosed (Operable Unit OU02) Final Physical Separation Treatability Study, Rocky Flats OU02 Surficial Soil, dated October, 1994. The objective of the study focused on the behavior of selected metals in various physical separation process unit operations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000127.PDF	3 MB
BZ-A-000128	10/25/1994
Re applicability of Nuclear Facility Designation per 10 CFR 830 to ER activities, especially the 903 Pad	
Regards the applicability of the Nuclear Facility Designation per 10 CFR 830 to Environmental Restoration (ER) activities, especially the 903 Pad. Draft "Hazard Category Determination for Operable Unit OU02, 903 Pad, in accordance with US Department of Energy (DOE) Standard 1027," and "Evaluation of Hazard Class Threshold Quantities Defined in DOE-STD-1027 Relative to Ambient Background Soil Contamination Limits," attached. Based on the findings of an Environmental Restoration Program Division (ERPD) review of nuclear facility designations, the ERPD would like to make the following clarifications to the designation and their responsibility...	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000128.pdf	1 MB
BZ-A-000129	10/20/1994
Decontamination Pads currently being operated	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) is requesting that EG&G Rocky Flats, Inc. provide the guidance used in deciding what will or will not be accepted at the decontamination Pads currently being operated by EG&G Environmental Operations Management. This request is driven by concern over the expected increase in the number of sources of items to be contaminated resulting from accelerated cleanup actions.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000129.PDF	91 KB

BZ-A-000130	10/18/1994
Exposure Scenario Technical Memorandum (ESTM) at Operable Unit OU02	
Letter regarding specific factors and their use in the Exposure Scenario Technical Memorandum (ESTM) at Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000130.PDF	144 KB
BZ-A-000131	10/7/1994
Modifications to the Stabilization/Solidification Treatability Study - Approval	
Letter regarding modifications to the Stabilization/Solidification Treatability Study - US Department of Energy, Rocky Flats Field Office (DOE/RFFO) approves EG&G Rocky Flats, Inc.'s proposal that the Solidification / Stabilization Treatability Study be replaced with test work performed by the Waste Projects Group. The savings in time and costs may be substantial and should allow the results of the test work to be made available in time to support the initial screening of alternatives for Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000131.PDF	101 KB
BZ-A-000132	10/6/1994
Chemicals of Concern and TM10 Toxicity Assessment	
Letter regarding the status of US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) comments on Technical Memorandums TM9. Chemicals of Concern (COC) and TM10 Toxicity Assessment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000132.PDF	98 KB
BZ-A-000133	10/28/1994
COC Draft Final OU02: 903 Pad, Mound and ETA	
Submits the enclosed EG&G Rocky Flats, Inc. responses to comments from Colorado Department of Public Health and Environment (CDPHE) and Environment Protection Agency (EPA) on Technical Memorandum TM9, Chemicals of Concern (COC) Draft Final for Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA) Rocky Flats Environmental Technology Site (RFETS). (See OU02 TM9 under Administrative Record (AR) OU02-A-000832)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000133.PDF	530 KB
BZ-A-000134	9/27/1994
Re decoupling OU02 ERA from OU02 RFI/RI, and using watershed approach	
In a letter dated August 26, 1994, US Department of Energy (DOE) requested formal approval to decouple the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Ecological Risk Assessment (ERA) from the OU02 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report. Rather than an OU02-specific ERA, a Watershed approach would be performed in the RFI/RI reports for OU05, Woman Creek, and OU06, Walnut Creek. Based upon US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) direction, US Department of Energy, Rocky Flats Field Office (DOE/RFFO) concludes that decoupling the ERA from the OU02 RFI/RI does not need to be formally approved.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000134.PDF	104 KB

BZ-A-000135	11/7/1994
COC Draft Final OU02, 903 Pad, Mound and ETA	
US Department of Energy (DOE) forwards EG&G Rocky Flats, Inc. responses to comments from Colorado Department of Public Health and Environment (CDPHE) and Environment Protection Agency (EPA) on Technical Memorandum TM9, Chemicals of Concern (COC) Draft Final for Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA) Rocky Flats Environmental Technology Site (RFETS). (See OU02 TM9 under Administrative Record (AR) OU02-A-000832)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000135.PDF	98 KB
BZ-A-000136	9/27/1994
OU02 Exposure Scenarios Technical Memorandum	
Letter regarding the anticipated submittal date of October 18, 1994, for the Operable Unit OU02 Exposure Scenarios Technical Memorandum (ESTM). Submission has been delayed from the originally planned date of October 14, 1994, due to a peer review of exposure factors to be included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000136.PDF	96 KB
BZ-A-000137	9/26/1994
Summary statistics for Chemicals of Concern in Area of Concern No. 2	
Per US Department of Energy, Rocky Flats Field Office (DOE/RFFO) request, EG&G Rocky Flats, Inc. is providing analytical results and summary statistics for Chemicals of Concern (COC) in Area of Concern (AOC) No. 2 to support using the entire data set in the Human Health Risk Assessment (HHRA) for this AOC rather than a subset within a 10-acre area. The reasons to use all samples collected in the East of Individual Hazardous Substance Site (IHSS) area to evaluated health risk rather than a subset from a smaller geographic area are delineated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000137.pdf	854 KB
BZ-A-000138	8/26/1994
DOE favors decoupling OU02 ERA from RFI/RI, and using OU05/OU06 Watershed approach	
US Department of Energy (DOE) favors decoupling the Ecological Risk Assessment (ERA) for Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA) and using the ERA's written for OU05, Woman Creek, and OU06, Walnut Creek, through the use of a Watershed approach.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000138.PDF	102 KB
BZ-A-000139	8/26/1994
DOE seeks approval to decouple OU02 ERA / RFI/RI, and using OU05/OU06 Watershed approach	

US Department of Energy (DOE) seeks regulators formal approval of EG&G Rocky Flats, Inc. request to decouple the Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA) Ecological Risk Assessment (ERA), otherwise known as the Ecological Evaluation (EE), from the OU Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI). The OU02 ERA would be performed as part of the OU05 (Woman Creek) and OU06 (Walnut Creek) ERA's, using a watershed approach. (The ERAs of Ou05 and OU06 will include the ecological risks associated with the corresponding portions of OU02 in each watershed. RFFO believes decoupling the OU02 ERA would present a more technically sound approach than the existing, fragmented sub-basin approach of OU02.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000139.PDF

116 KB

BZ-A-000140

8/19/1994

Surface Water FTU IM/IRA covers the Second Quarter of 1994

Letter forwards the enclosed Quarterly Report for the Operable Unit OU02 Interim Measures / Interim Remedial Action (IM/IRA) Surface Water Field Treatability Unit (FTU). This OU02 Surface Water FTU IM/IRA covers the Second Quarter of 1994 (April through June); EG&G Rocky Flats, Inc. report of submittal letter attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000140.PDF

742 KB

BZ-A-000141

8/12/1994

Encroachment of prairie dogs westward in OU02 (903 Pad, Mound and ETA)

Regards the encroachment of Prairie Dogs westward in Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA). US Department of Energy (DOE) is concerned about encroachment into the area of Surface Soil Plutonium (Pu) / Americium (Am) contamination and request EG&G Rocky Flats, Inc. prepare a plan of action on how to deal with this potential problem.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000141.PDF

71 KB

BZ-A-000142

8/31/1994

Response to Ecology and Watershed Management: OU02 Prairie Dog Encroachment

Letter regarding the Operable Unit OU02 Prairie Dog Encroachment - EG&G Rocky Flats, Inc. offers a number of suggestions and requests US Department of Energy, Rocky Flats Field Office (DOE/RFFO) response; Ecology and watershed management correspondence attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000142.PDF

274 KB

BZ-A-000143

9/30/1994

OU02 Prairie Dog Encroachment

Letter regarding the Operable Unit OU02 Prairie Dog Encroachment - US Department of Energy (DOE) agrees to the extermination option as the preferred alternative and asks EG&G Rocky Flats, Inc. to initiate this option as soon as possible. It is also recommended that grass mowing operations in OU02 be discontinued, to make the area less desirable for prairie dog habitat.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000143.PDF

84 KB

BZ-A-000144

10/26/1994

Extermination of the prairie dogs, a letter from the FWS, dated September 2, 1994	
Letter regarding the Operable Unit OU02 Prairie Dog Encroachment - 1) Pursuant to US Department of Energy (DOE) request discontinuing mowing operations in OU02, the USAF performs mowing operations around the radio tower. They will be requested to stop or reduce the amount of mowing operations. 2) Regarding the recommended extermination of the prairie dogs, a letter from the US Fish and Wildlife Service (FWS), dated September 2, 1994, discourages destroying the prairie dogs or their habitat. This letter was received subsequent to our recommendation that was dated August 31, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000144.PDF	85 KB
BZ-A-000145	8/5/1994
Subsurface and Surface Water Interim Measures/Interim Remedial Action	
Letter regards the Subsurface and Surface Water Interim Measures / Interim Remedial Action (IM/IRA) at Operable Unit OU02, Subsurface IM/IRA Soil Vapor Extraction (SVE) Pilot Test Program, requests US Department of Energy (DOE) concurrence.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000145.PDF	193 KB
BZ-A-000147	6/24/1994
Soil Vapor Survey Report, June 1994	
Letter submits the enclosed Final Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action Plan Environmental Assessment (IM/IRAP/EA) Soil Vapor Survey (SVS) Report, June 1994. This document presents the investigative findings of the subsurface and decision document presents the investigative findings of the Subsurface IM/IRAP/EA and decision document for OU02 dated September 10, 1992, for the SVS at the Rocky Flats Plant (RFP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000147.pdf	6 MB
BZ-A-000148	6/6/1994
TM2: Offgas Treatment Alternatives Evaluation, May 20, 1994	
Letter regarding the transmitted, Draft Technical Memorandum TM2, Operable Unit OU02, Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE), Offgas Treatment Alternatives Evaluation, dated May 20, 1994. US Department of Energy (DOE) requests regulators' review and comments. (See TM2 under record OU02-A-000796)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000148.PDF	81 KB
BZ-A-000149	7/5/1994
TM2: Offgas Treatment Alternatives Evaluation, May 20, 1994	
Letter regarding the transmitted, Draft Technical Memorandum TM2, Operable Unit OU02, Subsurface Interim Measure / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE), Offgas Treatment Alternatives Evaluation, dated May 20, 1994. Since US Environmental Protection Agency (EPA) had no comments and the State's June 17, 1994, letter provided concurrence on the selection of the proposed thermal oxidation process, the draft version is the final document. (See TM2 under record OU02-A-000796)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000149.PDF	84 KB

BZ-A-000150	5/31/1994
Re IM/IRA: Soil Vapor Extraction Project for OU02	
Letter regarding the Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE) Project for Operable Unit OU02, lists items discussed and agreed to in a meeting on May 19, 1994, and letter 94-DOE-04819, dated April 29, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000150.PDF	117 KB
BZ-A-000151	5/24/1994
Agreed to actions from the Pond Water Management IM/IRA	
Letter states as a result of agreed to actions from the Pond Water Management Interim Measure / Interim Remedial Action (IM/IRA) Administrative Control meeting held on May 18, 1994, US Department of Energy (DOE) and EG&G Rocky Flats, Inc. are submitting additional draft IM/IRA decision document consolidated comments and responses for the water quality performance goals (standards) discussed and the meeting minutes. Also enclosed is a proposed agenda for the May 25, 1994, meeting.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000151.PDF	501 KB
BZ-A-000152	4/29/1994
Re IM/IRA: Soil Vapor Extraction Project for OU02	
Letter regarding the Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE) - Letter confirms actions to be taken subsequent to project meeting held April 11, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000152.PDF	121 KB
BZ-A-000153	4/29/1994
OU02 Surface Water FTU IM/IRA covers the first quarter of 1994	
Letter forwards the enclosed Quarterly Report for the Operable Unit OU02 Interim Measures / Interim Remedial Action (IM/IRA) Surface Water (SW) Field Treatability Unit (FTU), dated April 1994. This OU02 Surface Water FTU IM/IRA covers the first quarter of 1994 (January through March).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000153.pdf	2 MB
BZ-A-000154	4/28/1994
Re discontinue collection of SW-61 and SW-132 as part of Walnut Creek Surf Water	
The US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) are expected to authorize discontinuation of collection of SW-61 and SW-132 as part of the Walnut Creek Surface Water (SW) Interim Measures / Interim Remedial Action (IM/IRA). The remaining collection point for the IM/IRA would be at SW-59. US Department of Energy (DOE) requests that EG&G Rocky Flats, Inc. consider a new, more cost effective alternative treatment method for the water at SW-59	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000154.PDF	138 KB
BZ-A-000155	4/25/1994
Comments concerning the Draft Treatability Study Workplan	

Colorado Department of Health (CDH), Hazardous Waste Management Division (HZMD), comments concerning the Draft Treatability Study Work Plan (WP) for the Bioremediation of Chlorinated Solvents at the Rocky Flats Plant (RFP), March 1994.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000155.PDF 390 KB

BZ-A-000156

4/22/1994

Spill of water diverted from South Walnut Creek

Several actions are currently in progress or have been taken in order to endure appropriate response to spills since the March 10, 1994 spill of water diverted from South Walnut Creek to the Operable Unit OU02 Interim Measures / Interim Remedial Action Plan (IM/IRA) Surface Water (SW) Field Treatability Unit (FTU). A summary of these actions is attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000156.PDF 243 KB

BZ-A-000157

4/8/1994

Requests that work stoppage order for OU02 through OU07 be rescinded

Requests that work stoppage order for Operable Units OU02, OU03, OU04, OU05, OU06, and OU07 be rescinded and exposure assessment work at Rocky Flats resume April 4, 1994.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000157.PDF 95 KB

BZ-A-000158

4/7/1994

Subsurface IM/IRA, SVE meeting: DOE will proceed with listed items

Letter based upon discussion with regulators in a Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Soil Vapor Extraction (SVE) update meeting on April 4, 1994, US Department of Energy (DOE) will proceed with the listed items.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000158.PDF 110 KB

BZ-A-000159

3/23/1994

Extension request for Site 1, SVE Pilot Test

Letter regarding the extension request of the start up date for the Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA), Site 1, Soil Vapor Extraction (SVE) Pilot Test. Based on discussions with the US Environmental Protection Agency (EPA) staff on March 15, 1994, US Department of Energy (DOE) is formally proposing the listed expedition action tasks for review and approval.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000159.PDF 135 KB

BZ-A-000160

3/15/1994

Letter named the Mound Area location for Test Site No. 2 might be changed

US Department of Energy (DOE) requests that the location for the Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Soil Vapor Extraction (SVE) Pilot Test No. 2 remain at Individual Hazardous Substance Site IHSS 110, 93-DOE-07308, June 23, 1993, letter named the Mound Area location for Test Site No. 2 might be changed to the Northeast Trenches are based on the results of Test No. 1. Factors detailing the rationale for the OU02 IM/IRA SVE location are listed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000160.PDF	113 KB
BZ-A-000161	3/10/1994
Letter regarding the OU02 Subsurface Interim Measures/Interim Remedial Action	
Letter regarding the OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA), US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) have reviewed US Department of Energy (DOE) submittal of Technical Memorandum TM1, Revision 0 (February 14, 1994). Based on the status briefing and other information provided in support of this submittal, it appears all regulator concerns on the earlier version have been addressed, and approval of the document is granted.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000161.PDF	83 KB
BZ-A-000162	3/8/1994
Excavation of Nonaqueous Phase Liquid	
Letter submits enclosed Operable Unit OU02 Proposed Expedited Action. The EA requested by US Department of Energy, Rocky Flats Field Office (DOE/RFFO) involves the excavation of Nonaqueous Phase Liquid (NAPL). The document incorporates the changes requested by DOE on the Draft OU02 NAPL EA.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000162.PDF	607 KB
BZ-A-000163	4/1/1994
CPIR No. 94-004: Release of contaminated surface water	
Letter submits the enclosed Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report No. 94-004, which documents the status and information concerning the release to the environment of Surface Water (SW) containing hazardous waste constituents. This release originated from the transfer piping associated with OU02 treatment unit. The SW is diverted from Walnut Creek as part of the IM/IRA for OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000163.pdf	2 MB
BZ-A-000164	2/24/1994
3-D visualization modeling of the Hydrogeology	
Concerns the preliminary modeling for the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Subsurface Interim Measure / Interim Remedial Action (IM/IRA) using 3-dimensional visualization Software. Based upon the recent startup of the Subsurface IM/IRA Soil Vapor Extraction (SVE) System, the US Department of Energy, Rocky Flats Field Office (DOE/RFFO) feels it is important to resume the 3-D visualization modeling of the Hydrogeology and contaminant distribution at Individual Hazardous Substance Site (IHSS) 110. This will be important for understanding and explaining the effectiveness of the SVE system. It will be necessary to establish the baseline and post testing effects on the Hydrology and Contaminant distribution.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000164.PDF	72 KB
BZ-A-000165	3/18/1994
Quarterly Report for Bioremediation Treatability Study Task for the Second Quarter	

Letter submits the Quarterly Report for Bioremediation Treatability Study Task for the second quarter of the Fiscal Year 1994 (FY94). Work under this activity to be accomplished in FY94 will focus on biodegradation of chlorinated solvents from subsurface soils and will address the treatability study requirements associated with the potential excavation and treatment of soil from OU02, Individual Hazardous Substance Site (IHSS) 110, contaminated with organics and potentially Nonaqueous Phase Liquids (NAPL). A baseline schedule is attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000165.pdf

328 KB

BZ-A-000166

5/3/1994

Impacts for all Table 6 Milestones impacted by the stop work order

Letter regarding schedule impacts due to Risk Assessment Methodology Agreement. As requested in the meeting of May 2, 1994, the schedule impacts for all Table 6 Milestones impacted by the Stop Work Order are provided. Attached are the extension requirements and schedules per Operable Unit (OU), the rationale for the extensions and the schedule assumptions used for these new schedules. The stop work order went into effect for OU01, OU02, and OU07 on June 21, 1993; The OU03 on July 23, 1993; OU04, OU05, and OU06 on August 12, 1993. The stop work order was lifted on April 15, 1994.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000166.pdf

3 MB

BZ-A-000167

9/30/1994

Schedule extension request for two OU02 (903 Pad, Mound and ETA) Milestones

Regulator August 19, 1994 letter granted US Department of Energy, Rocky Flats Field Office (DOE/RFFO) schedule extension request for two Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Milestones, the Draft and Final Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Reports.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000167.PDF

110 KB

BZ-A-000168

9/23/1994

Milestone dates for FY95 Major Activity Document for OU02

Milestone dates for the Fiscal Year 1995 (FY95) Major Activity Document for Operable Unit OU02

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000168.PDF

87 KB

BZ-A-000169

12/15/1975

NEPA EA for Removal of Contaminated Soil at RFP of ERDA, December 15, 1975

National Environmental Policy Act (NEPA) Environmental Assessment (EA) for the Removal of Contaminated Soil at the Rocky Flats Plant (RFP) of the Energy Research and Development Administration (ERDA), December 15, 1975 - The Plan for the removal of Plutonium (Pu) contaminated soil from an area of about 2,000 square meters to an average depth of 15 centimeters is described. This action will provide an opportunity for coordinated study of soil removal techniques and their effectiveness in preventing resuspension of Pu contaminated particles.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000169.pdf

8 MB

BZ-A-000170

9/14/1993

Milestone dates for the FY95 Major Activity Document for OU02	
Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Milestone meeting. A meeting was held September 8, 1993, between the US Department of Energy, Rocky Flats Field Office (DOE/RFFO), US Environmental Protection Agency (EPA) and EG&G Rocky Flats, Inc. to discuss the Milestone dates for the Fiscal Year 1995 (FY95) Major Activity Document for Operable Unit OU02 (NAPL) contamination on the OU02 Subsurface IM/IRA Soil Vapor Extraction (SVE) Pilot Project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000170.PDF	436 KB
BZ-A-000171	
3/13/1975	
Revised DBER-DMA Research Plan for Rocky Flats Hot Spot	
Revised DBER-DMA Research Plan for Rocky Flats Hot Spot - Delineates US Energy Research and Development Administration (ERDA) recommendations and concerns regarding this plan and the total project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000171.PDF	112 KB
BZ-A-000172	
3/17/1975	
DOW comments on DBER Research Plan	
DOW Chemical Company comments on DBER Research Plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000172.PDF	91 KB
BZ-A-000173	
4/4/1975	
Status of matters relating to Rocky Flats soil removal	
Status of matters relating to Rocky Flats soil removal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000173.PDF	69 KB
BZ-A-000174	
5/20/1975	
Regards contaminated soil removal on the Rocky Flats Plant (RFP)	
Regards contaminated soil removal on the Rocky Flats Plant (RFP) - Approval of the soil removal is contingent on a Headquarters-approved Environmental Assessment (EA). The revised assessment of February 14, 1975, has been found to contain certain deficiencies unacceptable to the Assistant Administrator for Environment and Safety and others. Consequently, the soil contaminated with Plutonium (Pu) Southeast of the Asphalt Pad at the RFP is not to be removed at this time. (Page 3 of 3 is missing, to be included when received.)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000174.PDF	168 KB
BZ-A-000175	
1/30/1976	
CDH comments re EA for Removal of Contaminated Soil at the RFP of the ERDA	
Colorado Department of Health (CDH) staff comments pertaining to the "Environmental Assessment for the Removal of Contaminated Soil at the Rocky Flats Plant (RFP) of the US Atomic Energy Research and Development Administration (ERDA)," dated December 15, 1975.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000175.PDF	115 KB
BZ-A-000176	5/2/1975
Confirms agreement to defer cleanup of contaminated soil Southeast of Asphalt Pad	
Relays letter from Dr. Liverman to Colorado Governor Richard Lamm, which confirms their agreement to defer cleanup of the contaminated soil Southeast of the Asphalt Pad. Accordingly, the Rocky Flats Area Office (RFAO) is asked to terminate plans to commence the soil removal operations in May; however, they may proceed with the -dry run' portion of the project in order to evaluate removal techniques and procedures.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000176.PDF	70 KB
BZ-A-000177	4/28/1975
Confirming their agreement to defer soil cleanup until a fairly detailed Environmental Assessment (EA)	
Correspondence from Dr. Liverman, US Energy Research and Development Administration (ERDA), to Colorado Governor Richard Lamm, confirming their agreement to defer soil cleanup until a fairly detailed Environmental Assessment (EA) of the proposed cleanup and related activities can be evaluated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000177.PDF	80 KB
BZ-A-000178	11/28/1995
Storm-water Radiochemistry for May 1995	
Transmits the attached report titled, "Evaluation of Selected Rocky Flats Environmental Technology Site (RFETS) Operable Unit OU02 Storm-water Radiochemistry for May 1995," dated November 8, 1995. While not conducted as part of the normal even-based monitoring program, available technical information has been evaluated for the May 17, 1995 Storm and an Interim report produced which assesses storm-water radiochemistry for runoff samples collected by the OU02 Soils Study Team during mid-May 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000178.PDF	72 KB
BZ-A-000179	11/8/1995
Radiochemical results evaluated for storm water runoff samples collected from Hillside	
"Evaluation of Selected Rocky Flats Environmental Technology Site (RFETS) Operable Unit OU02 Storm-water Radiochemistry for May 1995," dated November 8, 1995. Radiochemical results were evaluated for storm water runoff samples collected from Hillside locations adjacent to and Southeast of OU02. Radiochemistry for these samples showed levels of Plutonium (Pu) and Americium (Am) which decreased rapidly with distance from the top of the hillside. The runoff eventually reached Pond C-2 which was discharged to the Broomfield Diversion Ditch from May 18 to June 11, 1995. The Broomfield Diversion Ditch routes the flow away from public drinking water supplies. While the water discharged exceeded the Site-specific 30-day-average standard, there was no danger to public health.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000179.PDF	830 KB
BZ-A-000180	8/12/1994
Revised OU02 RFI/RI schedule for review	

Submits the enclosed revised Operable Unit OU02 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) schedule for review and approval. This proposal is in response to concerns of the submittal date for the Draft Final Phase II RFI/RI report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000180.PDF	157 KB
BZ-A-000181	9/8/1994
Revised OU02 RFI/RI Working Schedule	
Revised Operable Unit OU02 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Working Schedule; schedule attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000181.PDF	428 KB
BZ-A-000182	7/2/1994
Conservative schedule for OU02, 903 Pad, Mound and ETA	
Letter concerning the conservative schedule for the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Interagency Agreement (IAG) Milestones.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000182.PDF	132 KB
BZ-A-000183	7/20/1994
Concern regarding OU02 Environmental (Ecological) Evaluation	
Concern regarding the Operable Unit OU02 Environmental (Ecological) Evaluation (EE).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000183.PDF	117 KB
BZ-A-000184	4/22/1994
OU02 Field Treatability Unit spill response and downtime minimization	
Operable Unit OU02 Field Treatability Unit (FTU) spill response and downtime minimization.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000184.PDF	148 KB
BZ-A-000185	3/29/1994
Continued problems associated with the influent collection line at the OU02	
Operable Unit OU02 Field Treatability Unit (FTU) status - Due to the continued problems associated with the influent collection line at the OU02 FTU, the following actions are being taken: ...	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000185.PDF	72 KB
BZ-A-000186	7/2/1998
Transfer Seep and Groundwater Monitoring Obligations to the IMP	

Provides enclosed documentation of completion of the Administrative Transfer Seep and Groundwater Monitoring Obligations to the Integrated Monitoring Plan (IMP). The completion of the Administrative Transfer finalizes the process begun last summer when the Operable Units OU01 and OU02 Interim Measure / Interim Remedial Action (IM/IRA) modifications were conditionally approved, May 1998; Draft Rocky Flats Environmental Technology Site (RFETS) Integrated Monitoring Plan (IMP) enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000186.PDF 493 KB

BZ-A-000188

11/2/1998

Source Evaluation Report of Evaluation SW027, October 1998.

Letter transmits enclosed Rocky Flats Cleanup Agreement (RFCA) required Source Evaluation Report of Evaluation SW027, October 1998. The report details the source evaluation process and the potential cause(s) of the monitoring results reported for RFCA Point-of-Evaluation Surface Water Monitoring location SW027 (located in the South Interceptor Ditch (SID) upstream of Pond C-2 in the Woman Creek Basin).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000188.pdf 8 MB

BZ-A-000189

5/22/1996

Necessary and sufficient sampling for the OU01/OU02

Letter is to follow-up to December 7, 1995, letter (95-DOE-12832) to Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) on necessary and sufficient sampling for the Operable Unit OU01/OU02 Consolidated Treatment Plan. Specifically, US Department of Energy, Rocky Flats Field Office (DOE/RFFO) proposed eliminating the sampling at the Collection Well and the French Drain for Polychlorinated Biphenyls (PCBs), pesticides and semi-volatile constituents. No significant contamination from these parameters has been detected since April 1992.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000189.PDF 109 KB

BZ-A-000190

7/14/1989

Issues relating to proposed discharges to Walnut and Woman Creeks

Letter written on behalf of the Colorado Department of Health (CDH) addressing issues relating to proposed discharges to Walnut and Woman Creeks from the Rocky Flats Plant (RFP) Holding Ponds

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000190.PDF 203 KB

BZ-A-000191

12/1/1987

Groundwater modeling of impacts of proposed spray irrigation

Groundwater modeling of impacts of proposed spray irrigation. Rockwell International contracted with S. S. Papadopoulos and Associates, Inc. (SSP&A) to undertake an assessment of the impacts of proposed spray irrigation on the groundwater flow systems at the facility. The specific scope of service was to estimate the impacts to the water table, as well as to groundwater flow directions, from spray irrigating 80 million gallons per year of tertiary treated sewage effluent.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000191.pdf 2 MB

BZ-A-000192

7/16/1990

Regarding the delay in implementing treatment and discharge at Pond B-5	
Interoffice correspondence regarding the delay in implementing treatment and discharge at Pond B-5.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000192.PDF	247 KB
BZ-A-000194	
3/23/1990	
Interoffice correspondence regarding discharge of water from Pond B-5	
Interoffice correspondence regarding discharge of water from Pond B-5.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000194.PDF	60 KB
BZ-A-000197	
8/4/1988	
Letter concerning relocation of McKay and Upper Church ditches in BZ	
Letter concerning the relocation of McKay and Upper Church ditches in the Rocky Flats Buffer Zone.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000197.PDF	118 KB
BZ-A-000198	
7/20/1988	
Relocation of the McKay and Upper Church ditches	
Letter concerning the relocation of the McKay and Upper Church ditches on the Rocky Flats Buffer Zone; the City of Broomfield's McKay and Upper Church ditches cross the Rocky Flats Buffer Zone just North of the Plant's West access road.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000198.PDF	109 KB
BZ-A-000199	
9/23/1996	
T-3/T-4 Completion Report: Relocation of the McKay and Upper Church Ditches	
Completion Report for the Source Removal at Trenches T-3 and T-4, (Individual Hazardous Substance Site IHSS 110 / IHSS 111.1); September 23, 1996 - The purpose of the source removal conducted at T-3/T-4 at the Rocky Flats Environmental Technology Site (RFETS) was the relocation of the McKay and Upper Church ditches (VOC) from the trenches, which were contaminating the groundwater.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000199.pdf	2 MB
BZ-A-000200	
6/30/1997	
Collective Significance Report for Trenches T-3/T-4	
Regards the Collective Significance Report (CSR) for Trenches T-3/T-4 and addresses concerns (about inaccuracies in the CSR) raised during a meeting held May 28, 1997.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000200.PDF	106 KB
BZ-A-000201	
9/19/1997	
Disposition of Soil Hot Spot from Residual Trenches T-3/T-4 Project	

Regards disposition of Soil Hot Spot from Residual Trenches T-3/T-4 Project: Letter requests further information concerning the disposition of a contaminated hot spot discovered near the Mound Contaminated Soil Feed Stockpile on March 22, 1997, and placed into three (3) drums on May 8, 1997.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000201.PDF 125 KB

BZ-A-000202

5/4/1999

Vegetation Management Environmental Assessment, DOE/RFFO, April 29, 1999

Memorandum transmits enclosed Rocky Flats Environmental Technology Site (RFETS) Vegetation Management Environmental Assessment, US Department of Energy, Rocky Flats Field Office (DOE/RFFO), April 29, 1999 - The Rocky Flats Natural Resource Management Policy (1998) on vegetation and habitat management states that the RFETS will manage prairie habitat to maintain healthy, diverse native habitat and maintain habitat essential to endangered and rare species. Since 1990, the Site has experienced an invasion of noxious weed species that are degrading the Buffer Zone (BZ) habitat. This Environmental Assessment (EA) addresses the methodologies that the Site may use to control weeds and manage vegetation. The undisturbed BZ is an area where naturally occurring fires have not been allowed to burn dead vegetation that has accumulated since about 1972. As a result, a fuel load of dead vegetation has been building up in the BZ for about 25 years. The analysis of impacts from vegetation management techniques addressed in this EA will be used to select an approved list of techniques that are suitable for use at Rocky Flats.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000202.pdf 7 MB

BZ-A-000203

7/7/1999

Regarding source evaluation plan presented in June 21, 1999 notification

Provides additional detail regarding the source evaluation plan presented in June 21, 1999 notification of water quality monitoring results at the Rocky Flats Cleanup Agreement (RFCA, 1996) Point of Evaluation (POE) surface water monitoring station location GS10 in Walnut Creek above Pond B1, July 6, 1999. The Rocky Flats Environmental Technology Site's (RFETS) (Site's) source evaluation plan is to: continue monitoring; review Site operations, environmental restoration and Demolition and Decommissioning (D&D) activities to assess whether they may have impacted Site water quality during the period when the 30 day Americium (Am) and Plutonium (Pu) average appear to be above 0.15 pCi/liter; and continue the ongoing Actinide Migration Evaluation Study (AMES).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000203.PDF 90 KB

BZ-A-000204

8/30/1994

Memorandum of Understanding for Environmental Protection Management (EPM) work order support in the Buffer Zone.

Regards Memorandum of Understanding (MOU) for Environmental Protection Management (EPM) work order support in the Buffer Zone. During several meetings over the past months, specific areas of support have been discussed and agreements made. These agreedto areas of responsibility have been included in the MOU. (MOU not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000204.PDF 71 KB

BZ-A-000205

8/26/1994

DOE seeks approval to decouple OU02 ERA / RFI/RI, and using OU05/OU06 Watershed approach

Request for formal approval to decouple the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Ecological Risk Assessment (ERA) from the OU02 Resource Conservation and Recovery Act (RCRA) Facilities Investigation/ Remedial Investigation (RFI/RI). The OU02 ERA would be performed as part of the OU05 (Woman Creek) and OU06 (Walnut Creek) ERA's, using a watershed approach. The ERA's of OU05 and OU06 will include the ecological risks associated with the corresponding portions of OU02 in each watershed. Also, to provide continuity between the OU02 Remedial Investigations and Feasibility Studies; necessary ecological information, such as relevant Chemicals of Concern will be provided in a Technical Memorandum TM. It is believed that decoupling the OU02 ERA would present a more technically sound approach than the existing, fragmented sub-basin approach for OU02. The watershed approach has been discussed with staff previously. The proposed watershed approach will provide a more integrated comprehensive risk management data for future remediation decisions.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000205.PDF 96 KB

BZ-A-000206 8/26/1994

DOE favors decoupling OU02 ERA from RFI/RI, and using OU05/OU06 Watershed approach

Response to letter recommending that the Ecological Risk Assessment (ERA) for Operable Unit OU02: 903 Pad, Mound and East Trenches Area (ETA) be decoupled and use the ERA's written for OU05 (Woman Creek) and OU06 (Walnut Creek). Favors the approach in the above stated letter, and author intends to get formal approval from the US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE). There is a concern about the delay in initiating writing of the OU02 ERA. As discussed in the July 20, 1994 memorandum (ER:SRG/EAD:07871), our fear that the ERA would become a critical path in the OU02 schedule has been realized. Efforts to accelerate OU05 and OU06 ERA's should be undertaken so as to minimize the impact on the OU02 schedule.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000206.PDF 112 KB

BZ-A-000207 10/7/1994

Distribution of Memorandum of Understanding (MOU)

The enclosed Memorandum of Understanding (MOU) has clearly defined the operational management functions of both the Environmental Restoration Program Division (ERPD) and Waste Storage and Disposal (WS&D) organizations and will ensure greater operationalefficiency and cost effectiveness for Environmental Protection Management (EPM) efforts in the buffer zone.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000207.PDF 293 KB

BZ-A-000208 9/18/1989

Discharge Locations 005, 006, and 007.

The annual discharge data from July 1, 1988 to June 30, 1989 for Pond A-4 (005, Individual Hazardous Substance Site IHSS 142.4), B-5 (006, IHSS 142.9), and C-2 (007, IHSS 142.11) must be submitted for compliance with requirements listed on Page 13, Paragraph C, of the Rocky Flats National Pollution Discharge Elimination System (NPDES) Permits.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000208.PDF 141 KB

BZ-A-000209 8/12/1988

Discharge Locations 005, 006, and 007.

The annual discharge data from July 1, 1987 to June 30, 1988 for Ponds A-4 (005, Individual Hazardous Substance Site (IHSS) 142.4), B-5 (006, IHSS 142.9), C-2 (007, IHSS 142.11) must be submitted for compliance with the requirements listed on page 13, paragraph C, of the Rocky Flats National Pollution Discharge Elimination System (NPDES) Permit.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000209.PDF	152 KB
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BZ-A-000210	5/3/1990
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DNFSB concerning the history of Pondcrete and its relation to Americium.

Letter providing the answers to the questions of the Defense Nuclear Facilities Safety Board (DNFSB) concerning the history of Pondcrete and its relation to Americium (Am).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000210.PDF	266 KB
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BZ-A-000211	9/16/1994
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Revised 904 Pad Compliance Plan

Provides the revised 904 Pad Compliance Plan. Attached is a further update to the 904 Pad Compliance which includes the precipitation management practices previously provided to the Colorado Department of Public Health and Environment (CDPHE).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000211.PDF	835 KB
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BZ-A-000212	11/19/1999
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Transmits page changes to SAP for Site Characterization of 903 Drum Storage Area, 903 Lip Area, and Americium Zone'

Transmits page changes to the Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area, 903 Lip Area, and Americium Zone. Changes are reflected in the left margin of the affected pages by the October 25, 1999 vertical change bar.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000212.pdf	1 MB
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BZ-A-000213	8/24/1994
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Readiness Review 93/009 Item No. 5.08 (C)(1)(a)

Environmental Management Inspection Report (EMIR) 94-Y which reflects the level of compliance of the Operable Unit OU02 Closure Soil Study Team 2-G06-ER-ADM-05.10 Control of Scientific Notebook Systems. Completion of this inspection and the enclosed required reading forms signed by the Soil Study Team members closes this post-closure readiness review item.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000213.pdf	785 KB
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BZ-A-000214	10/10/1994
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Regards Woman Creek Priority Drainage, Rocky Flats Battery Recycling Program

The purpose of this letter is to request assistance in completing the Operable Unit OU05 Rocky Flats Plant Woman Creek Priority Drainage, Rocky Flats Battery Recycling Program as described in the enclosed letter and forms.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000214.PDF	236 KB
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BZ-A-000215	10/14/1994
Drums of soils contaminated with Volatile Organic Analysis (VOA) Compounds for low temperature thermal Desorption pilot test.	
Letter regarding database search for three thirty gallon drums of soils contaminated with Volatile Organic Analysis (VOA) Compounds for Low Temperature Thermal Desorption Pilot Test which have been in storage for over a year.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000215.PDF	87 KB
BZ-A-000216	10/13/1994
Operable Unit OU01 Quarterly Operations Report support maps and tables	
Letter transmitting maps and tables required for the Operable Unit OU01 Quarterly Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000216.PDF	686 KB
BZ-A-000217	10/13/1994
Evaluation of potential for Dense NAPLs migration during OU02 Subsurface IM/IRA	
Letter stating the potential for Dense Non-Aqueous Phase Liquids (DNAPL) to migrate from the Vadose zone to the saturated zone during Six Phase Soil Heating of Individual Hazardous Substance Site IHSS 110. Cost estimates for performing Six Phase Heating verses excavation/disposal of contaminated soil from Individual Hazardous Substance Site (IHSS) 110 are also enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000217.PDF	278 KB
BZ-A-000218	10/11/1994
OU05 RF Plant Woman Creek Priority Drainage CDH Conservative Screen	
This letter is to inform US Department of Energy (DOE) that EG&G Rocky Flats, Inc. will be presenting the Colorado Department of Health (CDH) Conservative Screen and the Source Area Identification as part of the Human Health Risk Assessment on October, 20, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000218.PDF	86 KB
BZ-A-000219	10/13/1994
Cancellation of exposure scenario, model description and addendum to Final Phase I RFI/RI work plan technical memorandums.	
Three Technical Memorandums are no longer required after Operable Unit OU07's adoption of US Environmental Protection Agency's (EPA) remedy for municipal landfill closure. The Technical Memoranda are: TM1 Exposure Scenarios, TM2 Model Description and TM3 Addendum to Final Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000219.PDF	75 KB
BZ-A-000220	10/12/1994
Submits the PAM for the Seep Collection System at OU07	

Letter submitting the Proposed Action Memorandum (PAM) for the Seep Collection System at Operable Unit OU07, the Present Landfill, which fulfills the October 14, 1994, Interim Measures / Interim Remedial Action (IM/IRA) deliverable requirement agreed to under the Statement of Resolution on the Pond Water Management IM/IRA by the Senior Executive Committee (SEC) of the Interagency Agreement (IAG) on April 15, 1994. (A copy of the PAM was not included with this letter.)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000220.PDF 79 KB

BZ-A-000222 9/27/1994

Areas of concern as potential wetlands that exist within the OU04 boundary

This letter is to inform the US Department of Energy (DOE) of efforts to identify potential Operable Unit OU04 wetlands which may be disturbed during Phase I and II Remediation. Previous wetlands delineations (1991) by the US Army Corp of Engineers did not consider that OU04 had significant wetlands. However, during a 1993 delineation, the Corps did acknowledge the existence of wetland areas within the OU04 boundary. Also enclosed is a partial copy of a map of the OU04 north hillside which delineates the extent of the wetland area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000222.PDF 269 KB

BZ-A-000223 10/6/1994

Preble's Meadow Jumping Mouse management for OU05 and OU07 field activities

This letter is regarding strategies to minimize impact to the Preble's Meadow Jumping Mouse and habitat during Operable Unit OU05 and OU07 field investigations. Disturbance will be minimized by scheduling intrusive activities after October 1, 1994, carefully planning access routes to the sites, and limiting vehicle travel to established roads. Also included is correspondence from other employees substantiating this finding.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000223.PDF 214 KB

BZ-A-000224 10/6/1994

Radioactive Source Certificate of Leak Test

Interoffice correspondence regarding Radioactive Source Certificate of Leak Test during October 1994, and requesting authorization to transport the sources (serial numbers VL-1-278 and 71-1-404) onsite within Operable Unit OU11 and from OU11 to the Contractor Yard.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000224.PDF 111 KB

BZ-A-000225 10/12/1994

Operable Unit OU01 Hot Spot Removal

Operable Unit OU01 Hot Spot Removal: This letter formally informs that an inspection was performed on the surface soil removal of radiologically contaminated soils. Attached is a copy of the report.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000225.PDF 325 KB

BZ-A-000226 10/7/1994

Graded Approach RA, trenching activity Systematic Evaluation Program Geological Excavation/Seismic Investigation

The purpose of this memo is to meet the requirements of 2-G21-ER-ADM-18.03, Environmental Restoration Program Division (ERPD) Remedial Action (RA) Readiness Assessments (RAs). This procedure allows for a graded approach to RAs on the basis of an activity's hazards, risks and complexity. Also enclosed is attachment 1, Environmental Restoration Program Division (ERPD) and Engineering and Safety Services/Systematic Evaluation Program Graded Approach Readiness Assessment for Trenching Activity for Systematic Evaluation Program (SEP) Geological Excavation/Seismic Investigation.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000226.PDF 212 KB

BZ-A-000227 10/10/1994

Re OU07 PAM covering the construction of French Drain for collection of leachate

Interoffice correspondence regarding receipt of a copy of the subject Proposed Action Memorandum (PAM) covering construction of a French Drain for collection of leachate issuing from the landfill.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000227.PDF 142 KB

BZ-A-000228 10/5/1994

Revised Final OU07 Schedule

Letter transmitting the enclosed revised Final Operable Unit OU07 Schedule implementing the previously initiated Process Improvement Proposal (PIP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000228.PDF 185 KB

BZ-A-000229 10/5/1994

Re OU02 Soil Data from the Soil Water Monitoring System

Letter regarding Operable Unit OU02 Soil Data collected by the Soils Study Team using the Soil Water Monitoring System. Bernoulli disk mentioned was not enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000229.PDF 81 KB

BZ-A-000230 9/4/1994

OU02 Subsurface IM/IRA Post Pilot Operation versus Six Phase Heating

Memorandum in response to letter dated September 26, 1994, regarding Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Post Pilot Operation versus Six Phase Heating.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000230.PDF 119 KB

BZ-A-000231 12/20/1995

Monthly Discharge Monitoring Report, December 1995

Rocky Mountain Remediation Service (RMRS) Monthly Monitoring Report - National Pollution Discharge Elimination System (NPDES) Permit Number CO-0001333 - JLM-00133-95, December 20, 1995 - This report transmits the November, 1995 Discharge Monitoring Report (DMR) to the Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE) as required by the Rocky Flats Plant (RFP) NPDES.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000231.PDF	2 MB
BZ-A-000232	4/21/1995
OU11 Draft Letter - Conservative Screen and Area Concern (AOC) Delineation	
Transmits the Rocky Mountain Remediation Services (RMRS) Operable Unit OU11 Draft Letter Report - Colorado Department of Public Health and Environment (CDPHE) Conservative Screen and US Environmental Protection Agency (EPA) Area of Concern (AOC) Delineation, April 21, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000232.PDF	73 KB
BZ-A-000233	8/22/1994
Missing Datacap Records for Sample No. BI03729ST	
Transmits the EG&G Rocky Flats, Inc. transmittal of Datacap information to the Rocky Flats Environmental Data Systems (RFEDS), August 22, 1994 - RFEDS has not received Datacap records for Sample Number BI03729ST. Letter states that without this information RFEDS can not perform complete data extractions and can not upload the laboratory analytical data.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000233.PDF	65 KB
BZ-A-000234	8/17/1994
Additional OU06 RFI/RI Sample Numbers	
Transmits the EG&G Rocky Flats, Inc. transmittal of additional Operable Unit OU06 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Sample Numbers to be shared with field personnel, August 17, 1994 - BI03801ST through BI03900ST is an extension of the sample numbers being used by the Stoller field crew.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000234.PDF	37 KB
BZ-A-000236	8/17/1994
Information to complete COC for OU02 Subsurface Soil	
Provides EG&G Rocky Flats, Inc. Field Operations (FO) Rocky Flats Environmental Data Systems (RFEDS) information to the Operable Unit OU02 Subsurface Project Manager to complete the Chain of Custody (COC) and enter information into the Field Data Capture Program, August 17, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000236.PDF	52 KB
BZ-A-000237	9/26/1994
Rationale for discontinuance of extended operations at SVE demonstration site	
Letter regarding the EG&G Rocky Flats, Inc. rationale for the discontinuance of extended operations at the Soil Vapor Extraction (SVE) demonstration site, September 26, 1994 - Attached is the SVE operations graph as well as the data showing the relationship between the gas flow rates, the concentration in the off gas, and the mass removal rate, and the Cumulative Pounds of Volatile Organic Compound (VOC) Removed Over Time graph.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000237.PDF	175 KB

BZ-A-000238	8/17/1994
Response to Colorado Department of Public Health and Environment (CDPHE)	
Letter from US Department of Energy, Rocky Flats Field Office (DOE/RFFO) in response to a letter from Colorado Department of Public Health and Environment (CDPHE) regarding data quality concerns pertaining to the Mobile Gas Laboratory Analytical Methods used on the Operable Unit OU10 Soil Gas Project, September 7, 1994. The response addresses the concern that data being generated is of unknown accuracy and precision.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000238.PDF	215 KB
BZ-A-000239	8/8/1994
Request attendance at Staff Meetings	
EG&G Rocky Flats, Inc. Interoffice Correspondence requesting attendance at weekly staff meetings to discuss ideas and issues concerning each section of the Operable Unit OU11 Combined Phases Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report, September 8, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000239.PDF	73 KB
BZ-A-000240	9/20/1994
Winter Freeze Protection	
EG&G Rocky Flats, Inc. interoffice correspondence stating that all Engineering Operations facilities managers were contacted and they confirmed that the Field Treatability Unit (FTU) heat trace at Operable Unit OU02 is impaired or out of service. It is currently being worked and repairs are due to be completed the first week of October, September 20, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000240.PDF	46 KB
BZ-A-000242	8/12/1994
Operable Unit (OU) OU02 Prairie Dog encroachment	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) memorandum stating awareness of Prairie Dog encroachment westward in Operable Unit OU02, August 12, 1994 - A plan of action response is requested of EG&G Rocky Flats, Inc. by August 31, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000242.PDF	81 KB
BZ-A-000243	8/22/1994
Re support of Demonstration of Soil Washing Pilot Plant for decon of RFETS soils	
EG&G Rocky Flats, Inc. Interoffice Correspondence responding to the proposal of Demonstration of Soil Washing Pilot Plant for Decontamination of Rocky Flats Environmental Technology Site (RFETS) Operable Unit (OU) soils, August 22, 1994 - The proposal is not supported because it appears to duplicate work that is currently being completed by the treatability studies team, decisions in flow sheet technology are needed prior to endorsing any type of soil washing methodology and there may be no need for EG&G to design and build a soil washing plant.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000243.PDF	77 KB

BZ-A-000244	8/25/1994
Reconsider disallowed charges incurred by Damon Judd	
EG&G Rocky Flats, Inc. interoffice correspondence requesting reconsideration of the disallowed charges incurred by Damon Judd of Rust Environment and Infrastructure, August 25, 1994 - The work Mr. Judd did for the project was completed after EG&G made a request that required Mr. Judd's services to satisfy a deliverable requirement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000244.PDF	63 KB
BZ-A-000245	6/28/1989
Sampling Observations and Recommendations	
US Department of Energy (DOE) Memorandum regarding observations of sampling events revealing a dramatic difference in sampling procedure, sample processing and preservation, and documentation, June 28, 1989 - Listed are selected recommendations to facilitate a better quality and representative suite of samples. Also enclosed are Sampling Episodes.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000245.PDF	538 KB
BZ-A-000246	6/15/1987
Irrigation activities and Remedial Investigation (RI) activities coordination	
Rockwell International, Rocky Flats Plant (R. INTL) Internal Letter refers to the discussion with Mr. Gary Potter, indicating the need to coordinate soil gas tube installation and analysis, borehole and well drilling activities with the National Pollution Discharge Elimination System (NPDES) related irrigation program, June 15, 1987.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000246.PDF	56 KB
BZ-A-000247	6/26/1990
Proposal to recycle water from Pond C-2	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) memorandum regarding the potential to recycle water from Pond C-2 for use in the plantsite raw water loop, where it would be used in cooling towers and other process applications, June 26, 1990 - Issues to be addressed include the assumption that the quality of water pumped from C-2 is compatible with its planned uses, it must address the compatibility of the C-2 recycling option with other potential water quality management options, and the next phase of the analysis must address this option's regulatory impacts.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000247.PDF	146 KB
BZ-A-000248	12/12/1994
Bioremediation test report taken from OU02	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) correspondence concerning a Interim Treatability Test Report for Phases I and II of the Bioremediation Test work being conducted on soil samples taken from Operable Unit OU02, December 12, 1994 - The transmittal of this interim report is a partial fulfillment of the November 12, 1994 milestone for the Site Wide Treatability Studies program.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000248.PDF	112 KB

BZ-A-000249	11/9/1994
Draft OU02 Subsurface IM/IRA Site No. 1 SVE Pilot Test Report	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) correspondence concerning the Draft Operable Unit OU02 Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Site Number 1 Soil Vapor Extraction (SVE) Pilot Test Report, November 9, 1994 - Submittal of this document satisfies the November 11, 1994 Interagency Agreement (IAG) milestone requirement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000249.PDF	131 KB
BZ-A-000250	6/8/1995
RFFO requests extension to IAG Table 6 Milestones	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) correspondence concerning the call to attention of their request of an extension to the Interagency Agreement (IAG) Table 6 Milestones associated with Operable Unit OU02, June 8, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000250.PDF	86 KB
BZ-A-000251	1/19/1996
Draft Regulatory Review of Radionuclide Remediation Requirements	
Rocky Mountain Remediation Services (RMRS) Interoffice Correspondence submitting the enclosed Draft Regulatory Review of Radiation Dose Based Remediation Requirements for environmental media contaminated with radionuclides for review and comment, January 19, 1996.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000251.PDF	940 KB
BZ-A-000252	10/19/1995
DOE/RFFO letter regarding the Final OU02 RFI/RI Report	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) letter regarding the final Operable Unit OU02 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report submitted for review and approval, October 19, 1995. The copy of RCRA is not enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000252.PDF	70 KB
BZ-A-000253	9/15/1995
Regarding CDPHE comments: Draft Permit Mod and PAM	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) letter regarding the submittal by the Colorado Department of Public Health and Environment (CDPHE) of the Draft Permit Modification of State Resource Conservation and Recovery Act (RCRA) Permit for Rocky Flats Environmental Technology Site (RFETS) for storage and treatment of contaminated soils from Individual Hazardous Substance Site IHSS 109, September 15, 1995 - Also regarded to is the Draft Proposed Action Memorandum (PAM) and Draft Modification of the Colorado Hazardous Waste Corrective Action Section of the Operating Permit for RFETS. Copy of Draft Permit Modification not enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000253.PDF	93 KB
BZ-A-000254	5/30/1995

Operable Unit No. 2 Draft Phase II RCRA Facility Investigation/Remedial Investigation	
Discusses the Operable Unit OU02 Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000254.PDF	85 KB
BZ-A-000255	1/24/1995
Response on Draft Final TM 5 HHRA 903 Pad, Mound, and ETA OU02 Exposure.	
Letter requesting that the Colorado Department of Public Health and Environment (CDPHE) US Environmental Protection Agency (EPA) provide comments to US Department of Energy (DOE) by January 3, 1995. EG&G Rocky Flats, Inc. asks DOE to request for Regulatory Agency comments to be submitted.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000255.PDF	94 KB
BZ-A-000256	12/6/1994
FY94 Phase I and II Report - Biodegradation of Chlorinated Solvents - DOE Order 4700.1	
EG&G Rocky Flats, Inc. providing the Fiscal Year FY94 Phase I and II Report - Biodegradation of Chlorinated Solvents submittal to the US Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH). This report describes the preliminary findings of the remedy-screening level biodegradation study performed at the Rocky Flats Environmental Technology Site (RFETS) in fiscal year 1994 (FY94). The biotreatment of chlorinated aliphatic solvents in soil is the focus of this study. Phase I of this Treatability Study (TS) examined the transformations solvent occurring when solvents contact sterile and nonsterile soil from Operable Unit OU02 which was not amended with nutrients or water to stimulate biological activity. Phase II of this TS involves culturing four microbial populations for OU02 soil, which are known to be important in the degradation of aliphatic solvents, and testing the populations' ability to degrade the solvents describes above.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000256.PDF	2 MB
BZ-A-000257	7/5/1994
Enhances Vapor Extraction Organic Compounds with Six Phase Soil Heating	
EG&G Rocky Flats, Inc. is transmitting copies of the Test Plan titled "Enhances Vapor Extraction Organic Compounds with Six Phase Soil Heating" to the US Department of Energy, Rocky Flats Field Office (DOE/RFFO), in accordance with the Interagency Agreement (IAG) submittal date of July 6, 1994. Subsurface Interim Measures / Interim Remedial Action (IM/IRA) Soil Vapor Extraction Pilot Test Plan Test No. 2, Enhanced Vapor Extraction of Organic Compounds with Six-Phase Soil Heating Operable Unit OU02 East Trenches Area, July 6, 1994. The purpose of the IM/IRA is to gain site-specific remedial information to support a final remedial at OU02. The primary objective of the pilot test at Test Site No. 2 is to evaluate SPSH as an applicable in-situ technology for remediation Volatile Organic Compound (VOC) contaminated soils at OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000257.PDF	8 MB
BZ-A-000258	3/9/1994
SVE unit on March 4, 1994, transmitting copies of Draft A, OU02 IM/IRA Implementation and Operation Plan, SVE Pilot Test.	

US Department of Energy (DOE) transmitting copies of the document Operable Unit OU02 Interim Measures / Interim Remedial Action (IM/IRA) Implementation and Operation Plan, Soil Vapor Extraction Pilot Test, Revision 1, Draft A. The revised document date is March 1994. Changes were made to the text, Appendix A, and Appendix D. The section on groundwater monitoring was added, and Section 3.5,4 was added to reflect the current procedure for water transfer protocol. Appendix A was changed to reflect the current pilot test program. Drawings 101, 102 and 103 and Appendices B and E were not changed. (Plan not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000258.PDF

103 KB

BZ-A-000259

12/17/1993

RCRA CPIR No. 93-010: Re release of approx 10 gal of waste from OU02

US Department of Energy (DOE) providing the Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report No. 93-010 to the Colorado Department of Public Health and Environment (CDPHE). This report documents the status and information concerning the release of approximately ten gallons of hazardous waste from Operable Unit OU02. Also includes letter from EG&G Rocky Flats, Inc. to US Department of Energy (DOE) in regards to this same report. This report is made in compliance with the requirements of 6 CCR 1007-3, Parts 264.56 (j) for a written report within 15 days of the implementation of the RCRA Contingency Plan. The RCRA Contingency Plan was implemented on December 4, 1993, due to a release to the environment of approximately ten gallons (thirty to forty gallons to secondary containment) surface water potentially contaminated with hazardous waste collected from Walnut Creek. The water diverted from the creek as a part of a Treatability Study (TS) for OU02. The contaminated water is treated in a Chemical Precipitation/Microfiltration/Granular Activated Carbon System. The treated water is then returned to the creek.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000259.PDF

493 KB

BZ-A-000260

8/20/1993

Draft TM5 HHRA, 903 Pad, Mound and ETA, OU02, Exposure Scenarios.

Letter discussing the submittal that US Department of Energy (DOE) provided to the US Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) of the Draft Technical Memorandum TM5, Human Health Risk Assessment, Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), Exposure Scenarios. Comments that were made on the Draft TM 5 were made on February 11, and March 12, 1993 by the EPA and CDH, and on May 12, 1993 the DOE telefaxed responses to the comments for review. Requesting that they accept the responses of the comments made by EPA and CDH for resolution. (Draft, comments and responses not enclosed)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000260.PDF

113 KB

BZ-A-000261

5/25/1995

Letter regarding the Draft Phase II RFI/RI Report for OU02

US Department of Energy (DOE) provides a letter to advise to US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) that the Draft Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report for Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) has been conveyed under separate cover. And requesting for review and comments on this document and provide the comments of the DOE on or before August 1, 1995. This document is similar to the previous submittal by the DOE of the Preliminary Draft Phase II RFI/RI Report for OU02, dated December 26, 1994. However, this document includes the Human Health Risk Assessment but, as previously agreed with both the EPA and CDPHE, it does not include a separate Ecological Evaluation. The Ecological Evaluation for OU02 will be incorporated into the "Watershed Approach" Ecological Evaluation as part of OU05 and OU06, and will be presented in the respective RFI/RI Reports for these OUs. (Reports not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000261.PDF

110 KB

BZ-A-000262

8/16/1993

Final OU02, 903 Pad, Mound, ETA TM8, the revised Bedrock WP.

US Department of Energy (DOE) submitting revised pages for the final Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), Technical Memorandum TM8, the revised Bedrock Work Plan (WP). Based upon further comments received in the meeting held July 11, 1993, DOE made additional changes to the revised pages and these are enclosed. (Enclosures not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000262.PDF

78 KB

BZ-A-000263

9/24/1993

OU02, 903 Pad, Mound and ETA, Implementation Plan, in accordance with Section I.B 10 of the IAG.

US Department of Energy (DOE) provides a letter submitting copies of the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA), Implementation Plan, in accordance with Section I.B 10 of the Interagency Agreement (IAG). Which in noting that this document shows the current planned testing location at Individual Hazardous Substance Site (IHSS) 110, rather than IHSS 111.1 as depicted in the approved Test Plan. This Implementation Plan may be modified as a result of changes to Test 1 that may occur advised by DOE and to request a meeting by October 8, 1993, to discuss alternative due to the occurrence of free phase Non Aqueous Phase Liquids. (Plan not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000263.PDF

93 KB

BZ-A-000264

6/24/1993

Transmittal of Draft SVE Pilot Test Plan, Site No. 2 enhanced vapor extraction of organic compounds with electrical heating east trenches area, OU02.

EG&G Rocky Flats, Inc. is transmitting copies of the Draft Soil Vapor Extraction Pilot Test Plan, Site No. 2, Enhanced Vapor Extraction of Organic Compounds with Electrical Heating, East Trenches Area (ETA), Operable Unit OU02 to the US Department of Energy, Rocky Flats Field Office (DOE/RFFO). EG&G also providing delivered copies to the US Environmental Protection Agency (EPA) the Colorado Department of Health (CDH).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000264.PDF

105 KB

BZ-A-000265

11/7/1994

Transmittal of response to the comments of the TM 9 - Chemicals of Concern'.

US Department of Energy (DOE) forwarding the response to the comments on the Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Technical Memorandum TM9, Chemicals of Concern. The respond to the Colorado Department of Public Health and Environment (CDPHE) comments, September 29, 1994 and the Environmental Protection Agency comments, October 7, 1994. (Enclosures not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000265.PDF 100 KB

BZ-A-000266

7/28/1993

Transmittal of the revised response to the CDH comments on OU02 TM6 Model Descriptions.

US Department of Energy (DOE) provides the revised response to the Colorado Department of Health (CDH) comments on Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA) Technical Memorandum TM6. (Enclosure not included)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000266.PDF 95 KB

BZ-A-000268

4/23/1985

United States Department of Agriculture presents final recommendation for erosion control and revegetation for the proposed remedial action project.

United States Department of Agriculture presents final recommendation for erosion control and revegetation for the proposed remedial action project. Also including specific information on the land presently owned by the City of Broomfield - erosion calculations, strip layout, etc.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000268.PDF 846 KB

BZ-A-000269

2/27/1985

Remedial Action Program ADM

Rockwell International submits copies of an Action Description Memorandum (ADM) for the Remedial Action Program planned for lands adjacent to the Rocky Flats Plant (RFP), February 1985, to the US Department of Energy (DOE). Concise description of the proposed action, as part of the settlement for the RFP lawsuit, it has been agreed that certain lands adjacent to the Plant on the east and south will be evaluated for possible plutonium contamination. If the soil on these lands contains plutonium at concentrations greater than the Colorado Department of Health's plutonium is soil guidelines, Remedial Action will be initiated. These Remedial Actions will include soil mixing to reduce the plutonium concentration and reinvestigation to stabilize the soils. The locations of the proposed action is shown on the attached map.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000269.PDF 240 KB

BZ-A-000270

3/12/1985

Remedial Action Program on Lands Adjacent to the Rocky Flats Plant, FY 1985.

A Remedial Action Program on properties immediately east and south of the Rocky Flats Plant is discussed in this Action Description Memorandum (ADM). The proposed action consists of plowing, disking, and seeding of specified parcels of lands that exceed the State of Colorado standards for Plutonium (Pu) in soil (two disintegration's per minute per gram).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000270.PDF 134 KB

BZ-A-000272	9/30/1994
OU02 Prairie Dog Extermination Plan.	
US Department of Energy (DOE) had requested August 12, (ER:SRG:08622), 1994 that EG&G Rocky Flats, Inc. prepare a plan of action to deal with prairie dog encroachment into Operable Unit OU02. In return EG&G proposed a plan in a detailed letter (94-RF-09123) to DOE, August 31, 1994. DOE provides recommendation for this extermination plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000272.pdf	134 KB
BZ-A-000273	9/27/1994
OU02, Incorporation of SVE TM 3 into Test Site No. 1 Report	
US Department of Energy (DOE) discusses to EG&G Rocky Flats, Inc. of the Technical Memorandum TM3 was due to DOE in May 1994, and was delivered in draft form in September 7, 1994. Therefore the result of the late delivery, DOE requests that EG&G incorporate the information in TM3 into the Test Site No. 1 Report and not develop this document as a separate deliverable. Also includes not receiving the revised detailed schedule for Test Site No. 2 and 3. with request of delivery as soon as possible.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000273.PDF	81 KB
BZ-A-000274	7/29/1994
EOM Highlights for week ending July 29, 1994.	
Accomplishments, problems/solutions, and information regarding the status of the Environmental Restoration (ER) program division for the week ending July 29, 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000274.PDF	551 KB
BZ-A-000275	4/15/1994
Certificate of Designation to begin construction of new Sanitary Landfill	
Letter requesting hearings to be scheduled before the Jefferson County Planning Commissions and County Commissioners to apply for the Certificate of Designation to begin construction of new Sanitary Landfill.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000275.PDF	103 KB
BZ-A-000276	4/26/1994
Sitewide Treatability Studies - Solar Detoxification on hold	
Letter stating that the US Department of Energy, Rocky Flats Field Office (DOE/RFFO) participated with EG&G Rocky Flats, Inc., US Environmental Protection Agency (EPA), and the Colorado Department of Health (CDH) to re-prioritize the Sitewide Treatability Study Program for fiscal year 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000276.PDF	80 KB
BZ-A-000277	2/22/2000
Characterization Report for the 903 Drum Storage Area	
US Department of Energy (DOE) correspondence regarding the Characterization Report for the 903 Drum Storage Area, 903 Lip Area and Americium (Am) Zone Report dated September 28, 1999.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000277.PDF	229 KB
BZ-A-000278	2/3/2000
Targets for Fiscal Year 2000	
Colorado Department of Public Health and Environment (CDPHE) correspondence submitting targets for fiscal year 2000. Technical issues regarding the quality of inner can welds have caused a delay in the operation of the Plutonium (Pu) Stabilization Packing System beyond March 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000278.PDF	122 KB
BZ-A-000279	2/8/2000
Transmittal of Draft Proposed Major Modification of OU01 CAD/ROD	
US Department of Energy (DOE) correspondence Transmitting a Draft Proposed Major Modification to the Corrective Action Decision / Record of Decision (CAD/ROD). This draft concerns continued operation of the collection well.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000279.PDF	73 KB
BZ-A-000280	2/8/2000
Draft Proposed Major Modification of OU1	
US Department of Energy (DOE) submitting a Draft Proposed Major Modification to the Corrective Action Decision / Record of Decision (CAD/ROD). This draft concerns continued operation of the collection well.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000280.PDF	772 KB
BZ-A-000281	12/14/1999
Status of OU01 CAD/ROD and Recommends Closeout	
US Department of Energy (DOE) correspondence recommending closeout for Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD). This was approved March 12, 1997. The selected remedial action presented in the OU01 CAD/ROD was Excavation of Contaminated Subsurface Soils in Individual Hazardous Substance Site IHSS 119.1 extraction and treatment of the contaminated groundwater from the excavation, and treatment or disposal of the excavated soils.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000281.PDF	198 KB
BZ-A-000282	12/29/1999
EPA OU01 CAD/ROD Amendment recommendations	
US Environmental Protection Agency (EPA) correspondence regarding Corrective Action Decision / Record of Decision (CAD/ROD) Amendment recommendations. EPA agrees with the proposed changes to the OU01 groundwater collection and treatment system. The one thing that is not agreed upon is discontinuing use of the collection well at this time in their view, not a prudent or environmentally responsible action.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000282.PDF	106 KB

BZ-A-000283	12/1/1995
PP and Draft Modification of RCRA Permit OU01, 881 Hillside Area	
Proposed Plan (PP) and Draft Modification of the Rocky Flats Environmental Technology Site (RFETS) Resource Conservation and Recovery Act (RCRA) Permit Operable Unit OU01, 881 Hillside Area. The Plan states that US Department of Energy (DOE) is now responsible for cleanup at Rocky Flats (RF).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000283.PDF	1 MB
BZ-A-000284	12/3/1975
Land Management Plan	
US Energy Research and Development Administration Americium (Am)Rocky Flats (RF) Correspondence regarding Land Management Plan. This plan should reflect requiring approval to kill wildlife.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000284.PDF	40 KB
BZ-A-000285	1/19/1976
Long Term Land Management Program	
Rockwell International correspondence regarding developing a long-term land management program for approximately 6000 acres.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000285.PDF	145 KB
BZ-A-000286	4/10/1992
Maps and Legal Descriptions of Broomfield	
Maps and Legal Descriptions of Broomfield, dated April 10, 1992.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000286.PDF	1 MB
BZ-A-000287	3/23/2000
Public impact of a Buffer Zone burn (hypothetical worst case)	
PRESCRIBED BURN: US Department of Energy, Rocky Flats Field Office (DOE/RFFO) cover letter submitting Prescribed Burn Air Modeling Analysis Report showing that a worst case hypothetical burn of about 300 acres in the contaminated area of the Buffer Zone (BZ) East of the 903 Pad would result in a public exposure that is less than the 10 mrem effective dose equivalent limit promulgated in 40 Code of Regulations, Part 61, Subpart H. No Enclosure included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000287.PDF	101 KB
BZ-A-000288	4/11/2000
Buffer Zone Prescribed Burn Postponed	
PRESCRIBED BURN: Rocky Flats (RF) News release regarding Buffer Zone Prescribed Burn postponed Early Spring pre-empts plans. Site officials say that the warm and wet weather have led to an early and rapid greening of the Sites 6000 acre buffer zone, creating unsuitable conditions for a prescribed burn.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000288.PDF	110 KB
BZ-A-000289	4/11/2000
Summary of RF Air Monitoring Data - Test Burn, April 6, 2000	
PRESCRIBED BURN: Summary of Air Monitoring Data from the Rocky Flats (RF) Test Burn of April 6, 2000. The summary discusses the results and methodology of the 50 acre burn.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000289.PDF	141 KB
BZ-A-000290	4/6/2000
Alpha/Beta Analysis Results Summary	
PRESCRIBED BURN: Submitting Alpha/Beta Analysis Results Summary on Rocky Flats (RF) grass burn.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000290.PDF	208 KB
BZ-A-000291	4/6/2000
Preliminary Test Burn cpm/dpm Determination for HVOL Sampling FY00	
Prescribed Burn: Submitting Preliminary Test Burn cpm/dpm Determination for HVOL Sampling FY00.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000291.PDF	180 KB
BZ-A-000292	4/4/2000
Map of Soil Alpha/Beta Activity in Proposed Prescribed Burn Plot	
Prescribed Burn: Submits enclosed map of soil alpha/beta activity in the proposed 2000 prescribed burn plot. Soil sample gross Alpha/Beta Results and Statistical Analysis of Pu-239/240 soil samples data are attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000292.PDF	439 KB
BZ-A-000293	4/10/2000
Processing and Analysis of 4 Special Air Monitoring Cartridges collected April 6, 2000	
PRESCRIBED BURN: ThermoRetec Nuclear Services submits the processing and analysis of Four Special Air Monitoring cartridges collected April 6, 2000. These samples were fiberglass filters used for air monitoring during the test burn in the Buffer Zone. This analysis incleds Chain of Custody (COC), Case Narrative, Filter Process Benchsheet, AFCS Data, Efficiency Calibration Summary, Instrument Backround and EDD Hardcopy.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000293.PDF	842 KB
BZ-A-000294	4/21/2000
Sample Matrix: Fiberglass Filters	
PRESCRIBED BURN: Sanford Cohen and Associated Southeastern Environmental Labortory submits sample matrix of fiberglass filters RIN No. 00R0975.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000294.pdf	1 MB
BZ-A-000295	4/11/2000
Radian International Calculation Sheet for test burn on April 6. 2000	
PRESCRIBED BURN: Radian International submits calculation sheet for test burn done on April 6, 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000295.PDF	105 KB
BZ-A-000296	4/19/2000
Results for gross alpha/beta particles on samples during RF controlled burn	
PRESCRIBED BURN: URS Operating Services submitting, Start US Environmental Protection Agency (EPA) Region VIII, Contract No. 68-W5-0031, TDD 0004-0002 Preliminary Results on Rocky Flats (RF) Grass Burn. This report will confirm the alpha/beta particles in samples taken during controlled burn on April 6, 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000296.PDF	342 KB
BZ-A-000297	4/6/2000
COC Sample Analysis Request	
PRESCRIBED BURN: Chain of Custody (COC) Sample Analysis Request No. 00R0975. This sample analysis is titled, Filters from the Test Burn. Also included is Draft Field Data Sheets.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000297.PDF	305 KB
BZ-A-000298	1/1/2000
Air Monitoring of Prescribed Burn, a study of soil	
Prescribed Burn: Air monitoring of prescribed burn, a study of soil resuspension. Maps and graphs are included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000298.PDF	2 MB
BZ-A-000299	3/9/2000
Sampling and Analysis Plan of Airborne Soil and Actinide Exposure	
PRESCRIBED BURN: Sampling and Analysis Plan Characterization of Airborne Soil, Cover and Actinide Exposure During Prescribed Burn and Post Burn Vegetation Recovery in the Rocky Flats (RF) Buffer Zone, Revision 3, dated March 9, 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000299.pdf	4 MB
BZ-A-000300	3/10/2000
Soil Samples of Alpha/Beta Particles in Burn Plot	

PRESCRIBED BURN: Soil samples taken March 10, 2000 to characterize Alpha/Beta particle activity in the prescribed burn plot soil. This report includes the amounts that were found.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000300.PDF 57 KB

BZ-A-000301

3/1/2000

Preliminary estimated EDE at HVOL in plume within 100 feet of burn plot perimeter

PRESCRIBED BURN: Preliminary Estimated EDE at HVOL in plume within 100 feet of burn plot perimeter.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000301.PDF 265 KB

BZ-A-000302

3/10/1997

Transmits Draft Final Implementation Plan for Source Removal Mound Site IHSS 113

Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits Draft Final Implementation Plan for the Source Removal at the Mound Site Individual Hazardous Substance Site (IHSS) 113. No Enclosures

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000302.PDF 37 KB

BZ-A-000303

6/30/1997

IMP Background Document, Revision 1, June 30, 1997

Integrated Monitoring Plan (IMP) Background Document, Revision 1, dated June 30, 1997. This plan includes Appendix A, Site Description and Environmental History, Appendix B, Action Level Framework for Groundwater, Appendix C, Physical and Hydrologic Setting, Appendix D, Site Impacts to Groundwater, Appendix E, Water Quality and Water Level Monitoring Wells. Colored maps are also attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000303.PDF 20 MB

BZ-A-000304

10/1/1998

IMP Background Document FY98/FY99, August 1998

Integrated Monitoring Plan (IMP) Background Document FY98/FY99, August 1998. This plan includes, surface water monitoring, source locating, sanitary systems monitoring, groundwater assessment and reporting, air monitoring, soil and ecological monitoring.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000304.PDF 22 MB

BZ-A-000305

10/1/1998

Integrated Monitoring Plan (IMP) FY98/FY99, August 1998

Integrated Monitoring Plan (IMP) FY98/FY99, August 1998. This plan includes surface and groundwater monitoring, air quality and ecological monitoring.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000305.PDF 2 MB

BZ-A-000306

9/1/1999

Integrated Monitoring Plan (IMP) FY2000	
Rocky Flats Environmental Technology Site (RFETS) submits Integrated Monitoring Plan (IMP) FY2000, dated September 1999. This plan includes Surface Water, Groundwater, Air and Ecological Monitoring.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000306.PDF	3 MB
BZ-A-000307	12/1/1997
Integrated Monitoring Plan (IMP) FY97	
Rocky Flats Environmental Technology Site (RFETS) submits Integrated Monitoring Plan (IMP) FY97, dated December 1997. This plan includes, Groundwater, Air and Ecological Monitoring. The IMP captures the Site monitoring performed for a variety of legal, contractual, and operational purposes and restates the agreed-upon types of monitoring, monitoring locations, sampling frequencies, and purposes of the monitoring to meet the RFCA goal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000307.PDF	2 MB
BZ-A-000308	9/1/1999
Integrated Monitoring Plan (IMP) Background Monitoring FY2000	
Rocky Flats Environmental Technology Site (RFETS) submits Integrated Monitoring Plan (IMP) Background Monitoring FY2000, dated September 1999. This plan includes Surface Water, Groundwater, Air and Ecological Monitoring.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000308.PDF	17 MB
BZ-A-000309	8/30/2000
Regulatory Contact: CAD/ROD OU01 French Drain Removal	
Regulatory Contact Record on responses to Broomfield and Westminster comments on the Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD) for the removal of the French Drain. There are no issues; proceed with the removal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000309.PDF	33 KB
BZ-A-000310	8/30/2000
Regulatory Contact: CAD/ROD OU01 French Drain Removal	
Regulatory Contact Record on responses to Broomfield and Westminster comments on the Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD) for the removal of the French Drain. There are no issues; proceed with the removal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000310.PDF	30 KB
BZ-A-000311	1/30/1997
Quarterly Status Report for Consolidated Water Treatment Facility	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the enclosed Quarterly Status Report for Consolidated Water Treatment Facility (CWTF) and Operable Unit OU07 Passive Seep Interception and Treatment System (PSITS), October through December 1996. Includes Data Summary for July through September 1996.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000311.PDF	592 KB
BZ-A-000312	1/30/1997
Quarterly Status Report for Decontamination Facilities	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the enclosed Quarterly Status Report for Decontamination Facilities, 903 Pad and Protected Area Pad, October 1996 through December 1996.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000312.PDF	319 KB
BZ-A-000313	2/18/1997
SAP to support the Source Removal at Mound Site, IHSS 113, January 13, 1997	
Transmits the Final Sampling and Analysis Plan (SAP) to support the Source Removal at the Mound Site, Individual Hazardous Substance Site IHSS 113, January 13, 1997; and the Responsiveness Summary (Attachment A) for submittal to the US Environmental Protection Agency (EPA) for approval. This document also includes transmittal letters to US Environmental Protection Agency (EPA) and US Department of Energy, Rocky Flats Field Office (DOE/RFFO).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000313.PDF	318 KB
BZ-A-000314	2/20/1997
Mound Site Source Removal Project Approval for IHSS 113	
Rocky Mountain Remediation Services, L.L.C. (RMRS) requests approval to perform Site Preparation Activities for the Mound Site Source Removal Project for Individual Hazardous Substance Site (IHSS) 113. Site preparation activities include extending the Central Avenue ditch culvert 200 feet to the east, constructing a soil berm at the excavation site to control surface water, constructing a pen at the treatment site for the storage of soils and establishment of work boundaries.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000314.PDF	59 KB
BZ-A-000315	4/14/1997
Submits Proposed Cessation of Excavation at the Mound Site	
Kaiser-Hill Company, L.L.C. (K-H) submits Proposed Cessation of Excavation at the Mound Site, following the collection of 14 samples from the bottom of the Mound excavation, dated April 16, 1997. The Analytical results showed two outlying samples, which were collected west of the center of the pit base. The sample results were 12 ppm and 78 ppm (estimated) tetrachloroethylene. The Rocky Flats Cleanup Agreement (RFCA) Tier 1 action levels for this analyte is 11.5 ppm. The second sample was re analyzed to obtain a concentration within the instruments linear range. The new result is 86 ppm tetrachloroethylene.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000315.PDF	274 KB
BZ-A-000316	7/2/1997
Submits Request Authorization to Modify Configuration of Discharge from WWTP	

Kaiser-Hill Company, L.L.C. (K-H) submits Request Authorization to Modify Configuration of Discharge from Waste Water Treatment Plant (WWTP). The authorization is necessary for the upcoming implementation of the Pond B-5 outlet work upgrades project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000316.PDF	153 KB
BZ-A-000317	3/19/1997
Mound Site IHSS 113 LO/TO	
Rocky Mountain Remediation Services, L.L.C. (RMRS) has identified an underground water line in the vicinity of the Mound Project which supplies Domestic Cold Water to the East Outer Guard Post. This line is physically within the areas to be excavated as part of the Individual Hazardous Substance Site (IHSS) 113 Mound Site remediation and will require Lock Out Tag Out (LO/TO).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000317.PDF	45 KB
BZ-A-000318	7/14/1995
OU01 Quarterly Operations Report, Groundwater Elevations	
Rocky Mountain Remediation Services, L.L.C. (RMRS) letter transmitting Operable Unit OU01 Quarterly Operations Report Support, with Groundwater Elevations Upper Hydrostratigraphic Unit Table and Maps included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000318.PDF	665 KB
BZ-A-000319	7/20/1995
Hazard Classification of 903 Pad and OUs	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum requesting a single Point of Contact (POC) be designated to work on the 903 Pad and the other Operable Units (OUs) with the Nuclear Safety Organization. This document also includes a reference for Hazard Classification of 903 Pad and OUs.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000319.PDF	442 KB
BZ-A-000320	7/13/1995
Quarterly Status Report for Work Package No. 12050 OU02 Field Treatability Unit	
Submits: Delivery of Quarterly Status Report to US Department of Energy, Rocky Flats Project Office (DOE, RFPO) by July 31, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000320.PDF	1 MB
BZ-A-000321	8/4/1995
Process Options for 903 Pad and Windblown Soils IM/IRA	
Volume Calculations and Representative Process Options for the 903 Pad and Windblown Solid Interim Measures / Interim Remedial Action (IM/IRA). This basis is linked to the risk and radiation dose assessment within the Remedial Investigation (RI) Report, which shows results.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000321.PDF	201 KB

BZ-A-000322	8/10/1995
CAD/ROD OU11, West Spray Field, IHSS 168, Draft	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards a preliminary draft of Operable Unit OU11 West Spray Field, Individual Hazardous Substance Site IHSS 168, Corrective Action Decision / Record of Decision (CAD/ROD), dated July 1995. The risk evaluation performed in the Resource Conservation and Recovery Act (RCRA) Facilities Investigation Report determined that OU11 was in a protective state and presented no unacceptable risk to human health and the environment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000322.PDF	620 KB
BZ-A-000323	7/31/1995
OU11 Preliminary Draft CAD/ROD, West Spray Field, IHSS 168	
Kaiser-Hill Company, L.L.C. (K-H) submits the Operable Unit OU11 West Spray Field, Individual Hazardous Substance Site IHSS 168, Preliminary Draft Corrective Action Decision / Record of Decision (CAD/ROD) for review and comment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000323.PDF	634 KB
BZ-A-000324	7/31/1995
Reords for OU01 Water Treatment Facility and OU02 Field Treatability Unit	
Records submittal for Operable Unit OU01 Water Treatment Facility and OU02 Field Treatability Unit. In some instances, the record date, name or signature may be missing. These cannot be corrected due to the unavailability of the person that created the record. Verification of Organic Vapor Monitoring Results are Attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000324.PDF	892 KB
BZ-A-000325	9/1/1995
Migratory Bird and Endangered Species, Wetlands Evaluation for B-4 Dam	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum stating that Clearances for Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetlands Evaluation for B-4 Dam Toe Blanket Construction has been extended through September 15, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000325.PDF	54 KB
BZ-A-000326	9/1/1995
Migratory Bird and Endangered Species, Wetlands Evaluation for Rock Creek Flume	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum stating that Clearances for Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetlands Evaluation for United States Geological Survey (USGS) Rock Creek Flume. Clearances for migratory birds are extended through September 15, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000326.PDF	49 KB
BZ-A-000327	9/1/1995
Migratory Bird and Endangered Species, Wetlands Evaluation for Rock Creek Flume	

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum stating that Clearances for Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetlands Evaluation for United States Geological Survey (USGS) Rock Creek Flume. Clearances for migratory birds are extended through September 15, 1995.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000327.PDF 67 KB

BZ-A-000328

8/23/1995

Migratory Bird Clearance for Trench 2 Excavation Work for IHSS Cleanup

Rocky Mountain Remediation Services, L.L.C. (RMRS) Memorandum stating on August 23, 1995, Ecology personnel performed and additional migratory bird survey on the proposed Trench 2, excavation work area. No bird nests were located, and no further ecological concerns were identified. Wetlands of concern have been identified with pink surveying flags.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000328.PDF 48 KB

BZ-A-000329

8/21/1995

Evaluation of ecological concerns for three Mixed Waste Cell alternate locations

Evaluation of Ecological Concerns for three Mixed Cell alternate locations. These attachments discuss Proposed Site No. 1, Cell 4 of New Landfill, Site No. 2, East and Spray Field, Northern and Southern Block.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000329.PDF 724 KB

BZ-A-000330

9/7/1995

Review and Comment of OU11, West Spray Fields CAD/ROD Summary

US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards Review and Comment of the Operable Unit OU11, West Spray Fields Draft, Corrective Action Decision / Record of Decision (CAD/ROD) document and Responsiveness Summary. Maps are included.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000330.PDF 858 KB

BZ-A-000331

9/11/1995

Lowering of Landfill Pond Level Prior to OU07 Construction

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum regarding lowering of Landfill prior to construction activities for Operable Unit OU07: the Present Landfill. OU07 is planning to construct a Passive Seep Collection and Treatment Facility at SW097 and the level needs to be lowered two or three weeks prior.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000331.PDF 80 KB

BZ-A-000332

9/6/1995

Comments on Draft Final Phase II, RFI/RI for OU02, Pad 903, Mound, East Trenches

US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards comments on the Draft Final Phase II, Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report for Operable Unit OU02 903 Pad, Mound and East Trenches Area (ETA).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000332.PDF	106 KB
BZ-A-000333	11/20/1995
Monthly Discharge Monitoring Report, October 1995	
Monthly Discharge Monitoring Report for October 1995, National Pollution Discharge Elimination System (NPDES) Permit No. CO-0001333. No Spray irrigation occurred from Pond B-3 during the month of October. There were continuous discharge from Pond-3, (Outfall 001) and the Sewage Treatment Plant (Outfall STP). The reverse Osmosis Pilot Plant (Outfall 003 and 004) did not operate or discharge during this reporting period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000333.PDF	1 MB
BZ-A-000334	10/16/1995
Monthly Discharge Monitoring Report, September 1995	
Monthly Discharge Monitoring Report for October 1995, National Pollution Discharge Elimination System (NPDES) Permit No. CO-0001333. No Spray irrigation occurred from Pond B-3 during the month of September. There were continuous discharge from Pond-3, (Outfall 001) and the Sewage Treatment Plant (Outfall STP). The reverse Osmosis Pilot Plant (Outfall 003 and 004) did not operate or discharge during this reporting period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000334.PDF	1 MB
BZ-A-000335	11/1/1995
Indicated Faults at RFETS, Attachment No. 1	
Attachment to Preliminary Evaluation of Vertical Groundwater Flow in Fault Zones at Rocky Flats Environmental Technology Site (RFETS), Indicated Faults. Graphs of Bedrock Surface, Maps and tables of Isotopic Compositions of Groundwater are included in this document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000335.PDF	3 MB
BZ-A-000336	12/22/1995
Transmits Action Plan for FERC Inspection on July 26, 1995	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits an Action Plan for Federal Energy Regulatory Commission (FERC) Findings and Follow up Actions on July, 26, 1995. RMRS Sitewide Surface Water has complete the Dam A-4 and Dam C-2 deficiencies by verifying the monument reading. All other corrective actions are currently in process and will be completed during FY96.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000336.PDF	196 KB
BZ-A-000337	1/18/1996
T&E, Migratory Bird and Wetland Surveys at A-3 to A-4 Pipeline Site	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum stating there were no concerns identified to the Threatened and Endangered (Species) (T&E), Migratory Bird and Wetlands at A-3 to A-4 Pipeline Site when the survey was done on January 18, 1996.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000337.PDF	53 KB

BZ-A-000338	2/7/1996
Final Draft Status Report of T&E at RFETS	
Final Draft Status Report on Threatened and Endangered (Species) (T&E) at Rocky Flats Environmental Technology Site (RFETS). This report incorporates review comments from earlier drafts, and is one of a series of ecological baseline summaries, being prepared by the Natural Resource Protection and Compliance Program (NRPCP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000338.PDF	329 KB
BZ-A-000339	1/4/1996
1995 Annual Prairie Dog Relocation permit Report	
Rocky Mountain Remediation Services, L.L.C. (RMRS) submits the Relocation Report of Prairie Dogs, due to the Colorado Division of Wildlife (CDW) by January 15, 1996. Relocated prairie dogs included one male and two females with no evidence of reproductive activity.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000339.PDF	73 KB
BZ-A-000340	1/8/1996
T&E and Migratory Bird Clearance for Waste Management, Drilling East of Solar Ponds	
Threatened and Endangered (Species) (T&E) and Migratory Bird Clearance for Waste Management Siting Study Area Drilling East of the Solar Ponds. The work area for the Waste Management Siting Study Area Drilling Activities, were inspected and no concerns were identified. Any work in that area must avoid damage to those wetlands.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000340.PDF	53 KB
BZ-A-000341	1/8/1996
T&E and Migratory Bird Clearance for OU02 Trenching Project Preparation	
Threatened and Endangered (Species) (T&E) and Migratory Bird Clearance for Operable Unit OU02 Trenching Project, removal of pipe and spill control sheeting, have been inspected and no concerns were identified.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000341.PDF	55 KB
BZ-A-000342	9/5/1995
Trench T-2 Risk Assessment for VOC Emissions during Excavation Activities	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes Trench T-2 Risk Assessment for Volatile Organic Compound (VOC) Emissions During Excavation Activities. The results of this risk assessment showed that the risks to an individual northwest of Trench T-2 at the decontamination pad road, are within acceptable risk range. This location will give the highest risk to an individual not actually involved in excavation activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000342.PDF	327 KB
BZ-A-000343	9/7/1995

Modification to the SOW for 903 Pad and Windblown Soils IM/IRA	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes Initiation of the Modification to the Statement of Work (SOW) for the 903 Pad and Windblown Soils Interim Measures / Interim Remedial Action (IM/IRA). Attachment A consists of a Preliminary IM/IRA Decision Document (DD) report outline.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000343.PDF	991 KB
BZ-A-000344	9/15/1995
Meeting Minutes from the OU01 DRC on August 25, 1995	
Kaiser-Hill Company, L.L.C. (K-H) submits meeting minutes from the Operable Unit OU01 Dispute Resolution Committee (DRC) Held on August 25, 1995, to US Department of Energy, Rocky Flats Field Office (DOE/RFFO). Groundwater strategy and the french drain operation were discussed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000344.PDF	201 KB
BZ-A-000345	8/18/1995
OU04 SEP 207C RFI/RI Hand Augering Alternatives Analysis	
Parsons Engineering Science, Inc. has prepared a design for a coffer dam that could be used to had auger Solar Evaporation Pond (SEP) 207C if water remained in the Pond. Parsons ES recommends that the livestock water trough alternative be, implemented because it is the easiest alternative to procure and fabricate in order to meet the scheduled requirements. Drawings are included in this design.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000345.PDF	500 KB
BZ-A-000346	9/15/1995
Migratory Bird, T&E and Wetlands Evaluation for USGS Rock Creek Flume	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum regarding renewal of Threatened and Endangered (Species) (T&E), Migratory Bird and Wetlands Clearance, for the United States Geological Survey (USGS), Rock Creek Flume Installation. Ecology personnel renewed all clearance September 15, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000346.PDF	73 KB
BZ-A-000347	9/15/1995
Migratory Bird, T&E Surveys at B-4 Dam Toe Blanket Work Site	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum regarding Threatened and Endangered (Species) (T&E), Migratory Bird, surveyed at the B-4 Dam Toe Blanket Work Site. No nesting activities were found and the clearance has been extended until September 29, 1995. Tracking of the Preble's Meadow Jumping Mice revealed no borrows within the work area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000347.PDF	60 KB
BZ-A-000348	9/25/1995
Migratory Bird Clearance for Pond B-1 USGS Flume Installation Site	

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum regarding Migratory Bird Clearance for the Pond B-1 United States Geological Survey (USGS) Flume Installation Site. No migratory bird concerns were identified and if the work should not start by October 9, 1995 the clearance must be renewed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000348.PDF 51 KB

BZ-A-000349

9/25/1995

Migratory Bird Clearance for B-2 Dam Toe Blanket Constrction Area

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum regarding Migratory Bird Clearance for the B-2 Dam Toe Blanket Construction Area. No concerns were identified in the area that was undisturbed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000349.PDF 65 KB

BZ-A-000350

9/20/1995

Solar Pond 207C Sampling Project

Rocky Mountain Remediation Services, L.L.C. (RMRS) correspondence stating the sampling of the asphalt and soil beneath Solar Evaporation Pond (SEP) 207C, has been completed on schedule. The final samples were shipped to the respective laboratories on September 19, 1995. The Analyses should be received no later than October 10, 1995.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000350.PDF 40 KB

BZ-A-000351

9/26/1995

Radium Anomalies in RF soils

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum forwarding an evaluation report of data from Radium and Uranium (U) in Rocky Flats (RF) surface and subsurface soils. A brief summary on the geochemistry and Ra as well as U and Thorium is presented. Graphs of Background Subsurface Borehole Soils as well as Operable Unit OU01 and OU04 Surface Soils are attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000351.PDF 540 KB

BZ-A-000352

9/19/1995

Headquarters Approval of CAD/ROD for OU11, West Spray Field

US Department of Energy (DOE) Headquarters Approval of Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU11, West Spray Field, dated September 1995.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000352.PDF 56 KB

BZ-A-000353

8/15/1995

RFCC comment on DOE alternative of No Action for OU11, West Spray Field

Rocky Flats Cleanup Commission (RFCC) forwards comment on US Department of Energy (DOE) preferred Alternative of No Action for Rocky Flats Environmental Technology Site (RFETS) Operable Unit OU11, West Spray Field. RFCC feel that OU11 is greatly contaminated, as this field represents over 100 acres, that has been contaminated for years by millions of gallons of toxic waste water containing high levels of nitrates, metals, radionuclides and volatile organic compounds. RFCC requests a copy of the Final Combined Phases, Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report and other data to support DOE's proposal.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000353.PDF 100 KB

BZ-A-000354 8/23/1995

Comments on OU02 and OU11 from Church Ranch meeting on July 19, 1995

Comments from Church Ranch on Operable Unit OU02 and OU11, West Spray Field meeting on July 19, 1995. We assumed that the meeting was being court reported, but found out later, they were not so we have written our comments on OU11, which are attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000354.PDF 93 KB

BZ-A-000355 8/25/1995

Comments to Final Proposed Modification of CHWA Permit for OU11

Nichols & Hecht, LLC, Attorneys at Law forward written comments to the Final Proposed Plan (PP) and Draft Modification of Colorado Hazardous Waste Act (CHWA) Permit for Rocky Flats Environmental Technology Site (RFETS), Operable Unit OU11: West Spray Field. The comments indicate that the final report is inadequate. The Final Report of June 1995, concerning OU11, concludes that OU11 poses minimal health risks, assuming long term residential exposure, however, the Final Report fails to discuss mineral interests or the fact that mining has been permitted. Therefore the Final Report does not address whether the use of the property for the mining of gravel, clay, sand and the like will pose ant hazard to human health or the environment.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000355.PDF 136 KB

BZ-A-000356 9/5/1995

OU11 Draft CAD/ROD for the West Spray Field

Kaiser-Hill Company, L.L.C. (K-H) submits Operable Unit OU11 Draft of Corrective Action Decision / Record of Decision (CAD/ROD), West Spray Field to US Department of Energy, Rocky Flats Field Office (DOE/RFFO), dated September 1995.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000356.PDF 963 KB

BZ-A-000357 9/27/1995

T&E Habitat Constraints for Phase III STP Upgrade Effluent Tank Construction

Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum discussing Threatened and Endangered (Species) (T&E) Habitat Constraints for Phase III Sewage Treatment Plant (STP) Upgrades Effluent Tank Construction. This project discusses the possible impacts to Preble's Meadow Jumping Mouse range.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000357.PDF 81 KB

BZ-A-000358	8/28/1995
Strategy for Proceeding with 903 Pad and Windblown Soils IM/IRA	
Review letter of the strategy for proceeding with the 903 Pad and windblown soils, Interim Measures / Interim Remedial Action (IM/IRA), which outlines the volume of surficial soils that will need to be remediated at the 100 and 15 millirem radiation dose limits at and near the 903 Pad. This document includes maps and tables of the area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000358.PDF	1 MB
BZ-A-000359	9/27/1995
Migratory Bird Survey Extension for OU02 Pipe Removal Project	
Migratory Bird Survey Extension, for Operable Unit OU02 Pipe Removal Project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000359.PDF	60 KB
BZ-A-000360	10/23/1995
Review of Draft IM/IRA Report for 903 Pad and Windblown Soils Report	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes Work Authorization for Review of the Draft Interim Measures / Interim Remedial Action (IM/IRA) Report for the 903 Pad and Windblown Soils Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000360.PDF	232 KB
BZ-A-000361	10/16/1995
Transmits Draft of 903 Pad and Windblown Soils IM/IRA for review	
Kaiser-Hill Company, L.L.C. (K-H) submits a Draft of the 903 Pad and Windblown Soils Interim Measures / Interim Remedial Action (IM/IRA) for Review.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000361.PDF	143 KB
BZ-A-000362	11/30/1995
Summary of Chemicals of Concern for OU01 - OU07	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits a Summary of Chemicals of Concern (COC) for Operable Units (OUs) OU01 through OU07.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000362.PDF	249 KB
BZ-A-000363	1/15/1996
T&E Migratory Bird and Wetland Surveys at IHSS 119.9	
No concerns of Threatened and Endangered (Species) (T&E) Migratory Bird and Wetland Surveys at Individual Hazardous Substance Site (IHSS) 119.1 Gas Investigation Site were found.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000363.PDF	51 KB
BZ-A-000364	1/18/1996

Requesting Support for A-4 Dam Outlet Modifications and Spillway Repair	
Rocky Mountain Remediation Services, L.L.C. (RMRS) requests Air Quality group's support in determining the air emissions from the hauling of fill material for the construction of a coffer dam and other activities on the Dam A-4 Outlet Modification Project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000364.PDF	97 KB
BZ-A-000365	2/1/1996
Unpermitted Discharges of Building 887 Septic Lift Station	
Overflows of the Building 887 Septic Lift Station, constituting unpermitted discharges to the environment, have occurred repeatedly and represent a significant Clean Water Act (CWA) liability to the Rocky Flats Environmental Technology Site (RFETS). This document also involves the sanitary overflow discharge to 881 Hillside.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000365.PDF	309 KB
BZ-A-000366	1/22/1996
Transmits OU01 Quarterly Operations Report Support	
Rocky Mountain Remediation Services, L.L.C. (RMRS) letter transmitting maps and tables for the Operable Units (OUs) OU01 Operations Quarterly Report. The water level map and the table report are completed for the fourth quarter of 1995. Fifteen fewer wells are used to construct this map than previous quarters.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000366.PDF	536 KB
BZ-A-000367	2/16/1996
Migratory Bird and T&E Survey of Pond A-3 Spillway Repair Work Site	
Migratory Bird and Threatened and Endangered (Species) (T&E) Survey of Pond A-3 Spillway Repair Work Site. No T&E concerns were identified.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000367.PDF	53 KB
BZ-A-000368	2/15/1996
Emission Control Plan for Dam A-3 and A-4 Construction Projects	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits Air Commission Control Plan for Dam A-3 and A-4 Construction Projects to Kaiser-Hill Company, L.L.C. (K-H) for review and signatures.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000368.PDF	225 KB
BZ-A-000369	3/6/1996
Migratory Bird T&E and Wetlands Clearance for Pond C-2 Discharge Pipe Removal	
Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetlands Clearance to Proceed with Pond C-2 Discharge Pipe Removal. On March 1, 1996, Ecology personnel accompanied Surface Water and Riedel personnel to inspect the route for pipe removal from the East Access Road to Pond C-2. No wetlands have been identified in this area and nesting birds are not an issue at this time.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000369.PDF	69 KB
BZ-A-000370	3/1/1996
Measures to Prevent Inadvertent Future Wetlands Impacts	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards preventative measures to be applied to prevent inadvertent future wetlands impacts.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000370.PDF	98 KB
BZ-A-000371	2/29/1996
Migratory Bird T&E and Wetlands Clearance for Pond C-2 Discharge Pipe Relocation	
Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetlands Clearance to Proceed with Pond C-2 Discharge Pipe Relocation and Irrigation Gate Repair. On February 28, 1996, Ecology personnel accompanied Surface Water and Riedel personnel to inspect the work sites associated with the Pond C-2 discharge pipe relocation and the Mower Ditch irrigation gate repair. No wetlands have been identified in this area and nesting birds are not an issue at this time.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000371.PDF	102 KB
BZ-A-000372	3/1/1996
B-5 Pond Wetland Disturbance Report and Restoration Plan	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the B-5 Pond Wetland Disturbance Report and Restoration Plan. This report gives details of the incident on February 15, 1996, when a front-end loader got stuck in a wetland area above the B-5 Pond.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000372.PDF	161 KB
BZ-A-000373	3/14/1996
Migratory Bird, T&E and Wetlands Clearance for Pond C-2 Ditch Pipe Removal	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum giving clearance to proceed with Pond C-2 to Broomfield Diversion Ditch Pipe Removal. No Migratory Bird or Threatened and Endangered (Species) (T&E) issues were identified.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000373.PDF	58 KB
BZ-A-000374	3/15/1996
Trip Report BZ regarding Preble's Mouse and Section 7 Consultation Issues	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards a Trip Report on Biodiversity Legal Foundation Tour of the Buffer Zone Regarding Preble's Mouse and other Section 7 Consultation Issues.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000374.PDF	525 KB
BZ-A-000375	2/28/1996
MOU to support Accelerated Action at Trenches T-3 and T-4	

Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards a Memorandum of Understanding (MOU) to support the Accelerated Action Source Removal at Trenches T-3 and T-4.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000375.PDF	223 KB
BZ-A-000376	3/20/1996
Migratory Bird, T&E Clearance for OU02 Trenches Project	
No identified concerns for Migratory Bird and Threatened and Endangered (Species) (T&E) Clearance of Operable Unit OU02 Trenches Project and Revegetation Recommendation upon project completion.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000376.pdf	439 KB
BZ-A-000377	9/29/1995
Transmits Enclosed Draft PAM and SAP, OU02 T-3 and T-4	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes enclosed Draft Proposed Action Memorandum (PAM) for the Source Removal at Trenches T-3 and T-4, Operable Unit OU02, Revision A and C dated September 29, 1995. This document also includes Appendix A, Thermal Desorption Operation Permit Monification.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000377.PDF	2 MB
BZ-A-000378	10/16/1995
Transmits enclosed Draft 903 Pad and Windblown Soils IM/IRA for OU02	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Draft 903 Pad and Windblown Soils Interim Measures / Interim Remedial Action (IM/IRA) Decision Document for Operable Units (OUs) OU02 for review and comment. The Individual Hazardous Substance Site (IHSS) of primary concerns, are the 903 Drum Storage Site, IHSS 112 and the 903 Lip Area, IHSS 155.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000378.PDF	20 MB
BZ-A-000379	12/28/2000
30-day moving averages for Pu water quality results RFCA for Pond B-5 area	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards an evaluation of 30-day moving averages, for Plutonium (Pu) water quality results for the Rocky Flats Cleanup Agreement (RFCA), Point of Compliance (POC) surface water monitoring location GS08, which is located at the outfall from Pond B-5 on South Walnut Creek.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000379.PDF	387 KB
BZ-A-000380	10/27/1995
Comments on IM/IRA DD for 903 Pad and Windblown Soils OU02	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards comments on Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) for the 903 Pad and Windblown Soils at Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000380.PDF	257 KB

BZ-A-000381	10/30/1995
Inserts for IM/IRA DD for 903 Pad and Windblown Soils OU02	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards revised sections to insert in Appendix A of the Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) for the 903 Pad and Windblown Soils at Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000381.PDF	294 KB
BZ-A-000382	11/2/1995
Comments on the Draft PAM and SAP at T-3 and T-4 of OU02	
Comments on the Draft Proposed Action Memorandum (PAM) and Sampling and Analysis Plan (SAP) for Source Removal at Trenches T-3 and T-4 of Operable Unit OU02.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000382.PDF	242 KB
BZ-A-000383	11/2/1995
Contingency Planning for Revegetation Failures	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum discussing the need for a Contingency Plan for Revegetation Failures at Rocky Flats Environmental Technology Site (RFETS). This requires correction in order for the site to remain in compliance with federal, state and local statutes, as well as US Department of Energy (DOE) orders.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000383.PDF	219 KB
BZ-A-000384	9/6/1995
Migratory Bird, T&E and Wetland Evaluation for OU02 Pipe Removal	
Giving clearance for Migratory Bird, Threatened and Endangered (Species) (T&E) and Wetland Evaluation for Operable Unit OU02 Pipe Removal Project as no concerns were identified.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000384.PDF	72 KB
BZ-A-000385	10/5/1995
Preble's Meadow Jumping Mouse trapping at the OU07	
Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum concerning Preble's Meadow Jumping Mouse trapping at the Operable Unit OU07 Landfill Pond.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000385.PDF	79 KB
BZ-A-000386	10/26/1995
Forwards comments to Draft of Phase II M/IRA DD OU07 Present Landfill	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards response and comments, to Draft of Phase I Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) for Operable Unit OU07 Present Landfill dated September 27, 1995. These responses are from the Environmental Guidance Division, Ecological Programs, US Department of Energy (DOE).	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000386.PDF	716 KB
BZ-A-000387	4/16/1996
Tranmits OU01 Operations Quarterly Report	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes the Operable Unit OU01 Quarterly Groundwater Elevations Upper Hydrostratigraphic Unit Report. This report includes required maps and tables.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000387.PDF	476 KB
BZ-A-000388	6/30/1995
Air Quality Review, Passive Seep Collection of OU07	
Discusses the evaluation from the Air Quality Branch concerning the Passive Seep Collection and Treatment of Operable Unit OU07: Present Sanitary Landfill and Inactive Hazardous Waste Storage Area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000388.PDF	174 KB
BZ-A-000389	6/12/1996
Transmits Final FSP for 903 Pad, Lip Area, Soil Radioactive Areas	
Rocky Mountain Remediation Services, L.L.C. (RMRS) Transmits the Final Field Sampling Plan for Delineation of the 903 Pad, Lip Area and Surrounding Surface Soil Radioactive Areas, Revision 0 dated June 1996.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000389.PDF	2 MB
BZ-A-000390	8/20/1996
Monthly Discharge Monitoring Report, July 1996	
Rocky Mountain Remediation Services, L.L.C. (RMRS) Transmits the Monthly Discharge Monitoring Report (DMR) for July 1996. This report is required by the National Pollution Discharge Elimination System (NPDES). During the month of July, there were no discharges from Pond A-3, Pond A-4 or Pond C-2. Pond B-5 discharged continuously from July 17 through July 31. There was continuous discharge from Pond B-3 and the Sewage Treatment Plant (STP) during this reporting period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000390.PDF	793 KB
BZ-A-000391	6/15/1995
Forwards DOE Modification to PAM Seep Collection and Treatment of OU07	
US Department of Energy (DOE) forwards the Modification to the Proposed Action Memorandum (PAM) for Seep Collection and Treatment of Operable Unit OU07: Present Landfill. This transmittal fulfills the Interagency Agreement (IAG) Milestone due on June 15, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000391.PDF	80 KB
BZ-A-000392	7/17/1995

K-H comments concerning OU07 PAM	
Kaiser-Hill Company, L.L.C. (K-H) forwards comments concerning the Operable Unit OU07 Proposed Action Memorandum (PAM) for the Operable Unit OU07: Present Landfill at Individual Hazardous Substance Site IHSS 114 and Inactive Hazardous Waste Storage Area, IHSS 203. The concerns discussed are the subsurface drainage pipes, the out fall pipe located below the spillway of the pond and the carbon treatment system.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000392.PDF	166 KB
BZ-A-000393	
7/13/1995	
Submits Final OU07 PAM	
Kaiser-Hill Company, L.L.C. (K-H) submits to US Department of Energy (DOE) the Final Operable Unit OU07 Proposed Action Memorandum (PAM) for the Passive Seep Collection and Treatment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000393.PDF	59 KB
BZ-A-000394	
7/13/1995	
Transmits Final OU07 PAM for Leachate Collection System	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits to Kaiser-Hill Company, L.L.C. (K-H) the Final Modified Proposed Action Memorandum (PAM) Passive Seep Collection and Treatment for Operable Unit OU07.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000394.PDF	65 KB
BZ-A-000395	
7/1/1995	
Final Modified PAM Passive Seep Collection and Treatment of OU07	
Final Proposed Action Memorandum (PAM), Passive Seep Collection and Treatment System for Operable Unit OU07 dated July 1995. This document accelerates action to address the seep flowing for the Present Landfill into the East Landfill Pond of OU07. The overall objective of the interception system is to eliminate discharge of F039 listed waste contained in the seep water to a surface water body.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000395.PDF	2 MB
BZ-A-000396	
5/26/1995	
Transmits Research Proposal for Passive Leachate Collection for OU07	
Transmittal of Passive Leachate Collection and Treatment System for Operable Unit OU07 Present Landfill at Individual Hazardous Substance Site (IHSS) 114 and the Inactive Hazardous Waste Storage Area at IHSS 203. This also includes the East Landfill Pond and adjacent spray evaporation areas including IHSS's 167.2 and 167.3 Research Proposal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000396.pdf	2 MB
BZ-A-000397	
6/12/1995	
Modified Leachate Accelerated Action, Addendum 1, Rev 5 SOW for OU07	

Modified Leachate Accelerated Action, Addendum 1, Revision 5 of the Statement of Work (SOW) for the Operable Unit OU07, which consists of two enforceable milestones.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000397.PDF 1 MB

BZ-A-000398

6/30/1994

Power Needs at OU07 Present Landfill; meeting follow-up

Discusses meeting held on June 30, 1994, with Surface Water Division, the power needs at Operable Unit OU07 Present Landfill.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000398.PDF 73 KB

BZ-A-000399

8/22/1994

Electrical Power to Ponds Project

Discusses the decision of the Ecology and Watershed Management to place the Electrical Power to Ponds Project on hold pending finalization of the Pond Water Management Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000399.PDF 71 KB

BZ-A-000400

9/21/1995

Requesting a response to DOE proposal to return Phase I Field IDM to OU07

US Department of Energy (DOE) request a response from the US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE) for the proposal to return Phase I Field Investigative-Derived Material (IDM) to the Present Landfill at Operable Unit OU07.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000400.PDF 105 KB

BZ-A-000401

7/22/1994

Comment Responsiveness Summary Revised WP TM for OU07

S. M. Stroller Corporation submits Comment Responsiveness Summary (RS) Revised Work Plan (WP) Technical Memoranda (TM) for Operable Unit OU07. Stroller will begin revising the TM in response to comments that address inaccuracies or inconsistencies in the text or tables but will wait for approval of the comment responsiveness summary before addressing the remaining comments.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000401.PDF 2 MB

BZ-A-000402

12/7/1995

PAM for Source Removal at T-3 and T-4 IHSSs 110 and 111.1

Proposed Action Memorandum (PAM) for the Source Removal at Trenches T-3 and T-4 Individual Hazardous Substance Site IHSS 110 and 111.1 dated December 7, 1995, Revision 0. The source removal action is proposed to remove the contaminated soils in T-3 and T-4 at the Rocky Flats Environmental Technology Site (RFETS) to reduce risk and to protect groundwater in the area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000402.PDF 1 MB

BZ-A-000403	5/10/1996
Draft of Field Sampling Plan for 903 Pad, Lip Area, Soil Radioactive Areas	
Rocky Mountain Remediation Services, L.L.C. (RMRS) distributes a Draft of The Field Sampling Plan for the Delineation of 903 Pad, Lip Area and Surrounding Surface Soil Radioactive Areas Revision 0, dated May 1996. This document is provided for comments or concerns.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000403.PDF	2 MB
BZ-A-000404	2/8/1994
SOW for Operable Unit OU07 Present Landfill	
Statement of Work (SOW) for Operable Unit OU07 Present Landfill Individual Hazardous Substance Site IHSS 114 and Inactive Hazardous Waste Storage Area, IHSS 203. The tasks for this SOW are as follows: Finalize OU07 Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) Modification, Revision of the Field Sampling Plan Implementation. The Baseline Risk Assessment (BRA) shall be completed along with a prepared Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) by the subcontractor.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000404.PDF	954 KB
BZ-A-000405	4/12/1994
SOW for Operable Unit OU07 Present Landfill	
Statement of Work (SOW) for Operable Unit OU07 Present Landfill Individual Hazardous Substance Site IHSS 114 and Inactive Hazardous Waste Storage Area, IHSS 203. The tasks for this SOW are as follows: Finalize OU07 Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) Modification, Revision of the Field Sampling Plan Implementation. The Baseline Risk Assessment (BRA) shall be completed along with a prepared Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) by the subcontractor.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000405.PDF	980 KB
BZ-A-000406	5/2/1994
SOW for Operable Unit OU07 Present Landfill	
Statement of Work (SOW) for Operable Unit OU07 Present Landfill Individual Hazardous Substance Site IHSS 114 and Inactive Hazardous Waste Storage Area, IHSS 203. The tasks for this SOW are as follows: Finalize OU07 Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) Modification, Revision of the Field Sampling Plan Implementation. The Baseline Risk Assessment (BRA) shall be completed along with a prepared Landfill Leachate Collection, Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) by the subcontractor.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000406.PDF	1 MB
BZ-A-000407	6/4/1996
Return of Drums OU07 Investigative Derived Material to Present Landfill	

Correspondence that led to Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) approval to return Operable Unit OU07 Field Investigative Derived Materials (IDM) to the Present Landfill. This field investigation discusses the 237 drums of IDM that were generated. Of the 237 drums, 64 drums contain Resource Conservation and Recovery Act (RCRA) hazardous waste and the remaining 173 drums contain no RCRA hazardous waste. Attached is a list of the drums and their content.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000407.PDF	1 MB
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BZ-A-000408	5/17/1995
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Meeting Minutes: OU07 Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The Leachate Collection and Treatment PAM and the Slurry Wall Maintenance Action were discussed. The submission of the Draft Landfill Closure IM/IRA EA DD has been revised.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000408.PDF	462 KB
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BZ-A-000409	5/10/1995
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Meeting Minutes: OU07 Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The Leachate Collection and Treatment PAM and the Slurry Wall Maintenance Action were discussed. The final remedies for final closure include the landfill cap and a passive leachate treatment system for the Landfill Closure IM/IRA EA DD.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000409.PDF	251 KB
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BZ-A-000410	4/26/1995
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Meeting Minutes: OU07 Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The slurry wall accelerated action was discussed. The Draft Seep/Groundwater Control PAM will be submitted on June 8, 1995, which will include conceptual design, action specific and location specific Applicable or Relevant and Appropriate Requirements (ARARs), and possibly a working schedule.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000410.PDF	448 KB
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BZ-A-000412	4/12/1995
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Meeting Minutes: OU07 Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. PAM Modification Strategy, the pros and cons of fixing the non-failing south wall, was a topic at this meeting. Update on closure strategies and a review of Action Items was discussed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000412.PDF	366 KB
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BZ-A-000413	3/29/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Water balance and groundwater focused risk assessment results were discussed. Proposed recommendation for landfill closure and status of the Proposed Action Memorandum (PAM), were also a topic.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000413.PDF	821 KB
BZ-A-000414	3/22/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were updates on closure strategies, status of focused risk assessments and closure strategy presentation draft. Applicable or Relevant and Appropriate Requirements (ARARs) were discussed, what is applicable, relevant and appropriate.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000414.PDF	2 MB
BZ-A-000415	3/15/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Preventing direct contact with landfill contents and minimizing infiltration and resulting contamination leaching to groundwater was discussed. Another topic that was discussed was the remediating of groundwater, contaminated surface water and wetland areas.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000415.PDF	265 KB
BZ-A-000416	3/8/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Focused vs. full blown, appropriate scenarios and Applicable or Relevant and Appropriate Requirements (ARARs) screen to trigger presumptive remedies was discussed. Update on groundwater contamination and review of old and new action items were a topic.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000416.PDF	288 KB
BZ-A-000417	3/1/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Topics discussed include, status of issue paper for seep collection PAM, spray evaporation areas, pond sediments, groundwater and east landfill pond.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000417.PDF 323 KB

BZ-A-000418

3/1/1995

Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Topics discussed include, status of issue paper for seep collection PAM, spray evaporation areas, pond sediments, groundwater and east landfill pond.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000418.PDF 366 KB

BZ-A-000419

2/15/1995

Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. Topics discussed were, overview of issue paper of OU07 and the impacts, the fractured zone and how OU07 will address it during closure and feedback on the Resource Conservation and Recovery Act (RCRA) regulatory analysis sent to the agencies. A brief presentation on causes of slurry wall failures was given and a overview of methodology to determine the preferred alternative.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000419.PDF 1 MB

BZ-A-000420

2/8/1995

Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD

S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were status of US Department of Energy (DOE) Management strategy letters, purpose of presentations, seep collection title II design and delisting seep water.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000420.PDF 239 KB

BZ-A-000421

1/23/2001

Comments on Draft Rock Creek Reserve Integrated Natural Resources Mgt Plan

Colorado Department of Public Health and Environment (CDPHE) comments, on the Draft Rock Creek Reserve Integrated Natural Resources Management Plan and Environmental Assessment (EA) dated December 2000. The importance to closure and Buffer Zone management include weed control practices, land re-configuration, water and actinide migration studies, erosion controls and revegetation.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000421.PDF 160 KB

BZ-A-000422

8/15/1995

Forwards comments on Phase I IM/IRA DD for OU07 Present Landfill	
Science Applications International Corporation, forwards technical comments and recommendations on the Phase I Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) for Operable Unit OU07 Present Landfill.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000422.PDF	1 MB
BZ-A-000423	2/1/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were review of alternative development, four preferred alternatives, additional modeling results and research on the slurry wall effectiveness.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000423.PDF	745 KB
BZ-A-000424	1/25/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were the Title II Design, preferred treatment alternative, decision matrix for remedial alternatives, cost sensitivity and slurry wall effectiveness.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000424.PDF	686 KB
BZ-A-000425	1/18/1995
Meeting Minutes: OU07 Seep Collection / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were four preferred alternatives which were constructing a wetlands above the dam near the existing East Landfill Pond to remediate organic compounds. To address increased infiltration through the cap as a result of the swale design.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000425.PDF	833 KB
BZ-A-000426	1/11/1995
Meeting Minutes: OU07 Leachate / Landfill Closure IM/IRA EA DD	
S. M. Stoller Corporation submits meeting minutes for the Operable Unit OU07 Landfill Closure Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA) Decision Document (DD) and Proposed Action Memorandum (PAM) Project. The topics discussed were results of the design meeting, the seep collection system and Phase II field investigation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000426.PDF	428 KB

BZ-A-000427	1/9/1995
Meeting Minutes: OU07 Phase II Field Investigation IM/IRA, January 4, 1995	
S. M. Stoller Corporation forwards the meeting minutes for the Operable Unit OU07 Phase II field investigation and seep collection for leachate/landfill closure Interim Measures / Interim Remedial Action (IM/IRA), dated January 4, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000427.PDF	835 KB
BZ-A-000428	1/10/2001
CDPHE Buffer Zone Contamination Review Technical Report and Concerns	
Regulatory Contact Record: Meeting minutes regarding the concern with the Colorado Department of Public Health and Environment (CDPHE) Buffer Zone Contamination Review Technical Report. There are thirty-six areas or sites of environmental concern, which are attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000428.PDF	243 KB
BZ-A-000429	11/3/2000
Requesting written approval of OU07 Seep SAP	
Requesting written approval of the Operable Unit OU07 Seep Sampling and Analysis Plan (SAP), which discusses three issues that need to be included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000429.PDF	53 KB
BZ-A-000430	11/29/2000
Requesting the revised SAP for OU07 Seep and answers on the SVOC data	
Requesting the revised Sampling and Analysis Plan (SAP) for Operable Unit OU07 Seep and the answers to the questions on the Semivolatile Organic Compound (SVOC) data will be sent with the SAP.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000430.PDF	100 KB
BZ-A-000431	12/5/2000
Language in the OU07 Seep SAP	
Discusses the language in the Operable Unit OU07 Seep Sampling and Analysis Plan (SAP), which has been revised and needs approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000431.PDF	114 KB
BZ-A-000432	12/13/2000
Discusses the language and the revision of the OU07 SAP	
Discusses the language and the revision of the Operable Unit OU07 Seep Sampling and Analysis Plan (SAP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000432.PDF	130 KB

BZ-A-000433	1/10/2001
CDPHE Buffer Zone Report RF Response to Concerns	
Colorado Department of Public Health and Environment (CDPHE) Buffer Zone Report, Rocky Flats (RF) Response to Concerns. This document provides background information regarding Site CDPHE correspondence, a summary of the process for identification of historical release sites, and a proposed resolution for each area or site by CDPHE as potentially being of environmental concern.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000433.PDF	1 MB
BZ-A-000434	2/1/2001
Forwards SAP for Installation of 230 kV Transmission Line	
US Department of Energy (DOE) forwards the Sampling and Analysis Plan (SAP) for the Installation of a 230 kV Transmission Line in the Rocky Flats Environmental Technology Site (RFETS) Buffer Zone. The purpose of this SAP is to define the project data quality objectives, tasks, specific data needs, data handling procedures, associated Quality Assurance / Quality Control (QA/QC) requirements, and schedule for this project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000434.PDF	89 KB
BZ-A-000435	2/1/2001
SAP for Installation of 230 kV Transmission Line	
Sampling and Analysis Plan (SAP) for the Installation of a 230 kV Transmission Line in the Rocky Flats Environmental Technology Site (RFETS) Buffer Zone. The purpose of this SAP is to define the project data quality objectives, tasks, specific data needs, data handling procedures, associated Quality Assurance / Quality Control (QA/QC) requirements, and schedule for this project.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000435.PDF	2 MB
BZ-A-000436	6/6/1995
EPA Comments on IM/IRA Update for Closure of OU07	
US Environmental Protection Agency (EPA) Comments on the Interim Measures / Interim Remedial Action (IM/IRA) Update for the Closure of Operable Unit OU07. The slurry wall contaminant option needs to be evaluated in detail. A thorough analysis of the Applicable or Relevant and Appropriate Requirements (ARARs) needs to be conducted and agreed by the Interagency Agreement (IAG) parties. The groundwater collection and treatment system is a very key component of this action.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000436.PDF	500 KB
BZ-A-000437	10/13/1995
Wetland Assessment for OU07 Accelerated Action	
Kaiser-Hill Company, L.L.C. (K-H) transmits the Wetland Assessment for Operable Unit OU07 Accelerated Action dated October 1995. This document also includes a forwarding letter discussing the Wetland Migration Variance for the Passive Seep Interception and Treatment System Construction Activity in OU07.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000437.PDF	2 MB

BZ-A-000438	12/22/1994
Wetlands Assessment in Support of OU07 Seep Collection System Construction	
EG&G Rocky Flats, Inc. forwards the Wetlands Assessment in Support of Operable Unit OU07 Seep Collection System Construction, which will start in the summer of 1995. This support covers the project description, wetlands effects the alternatives and the mitigation of wetland impacts.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000438.PDF	370 KB
BZ-A-000439	11/1/1995
Wetland Assessment for OU07 Accelerated Action	
Wetland Assessment for Operable Unit OU07 Accelerated Action dated November 1995. This project requires construction of a Passive Seep Interception and Treatment System (PSITS) to collect and treat water emanating from the east face of the Present Landfill, Individual Hazardous Substance Site IHSS 114 in OU07. The objective of this action is to reduce contaminant loading to the East Landfill Pond by striving to meet chemical specific Applicable or Relevant and Appropriate Requirements (ARARs) concentration limits for the specific pollutants.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000439.PDF	2 MB
BZ-A-000440	3/6/2000
QAPP for the Automated Surface Water Monitoring Program, March 2000	
Quality Assurance Program Plan for the Automated Surface Water Monitoring Program, March 6, 2000. The purpose of this QAPP is to establish management controls and provide guidance to ensure that all collection procedures for environmental data and measurements are accurate, acceptable, and documented in accordance with the requirements of the program.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000440.PDF	2 MB
BZ-A-000441	8/15/1997
Surface Water Source Evaluation for RFCA Water-Quality Exceedances in Walnut Creek Basin	
Surface Water Source Evaluation for Rocky Flats Cleanup Agreement (RFCA, 1996) Water-Quality Exceedances in Walnut Creek Basin. This source evaluation addresses the August 15, 1997 site report of elevated 30-day moving averages for Plutonium (Pu) and Americium (Am) water-quality results in Walnut Creek.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000441.PDF	2 MB
BZ-A-000442	11/1/1999
Source Evaluation Report for Point of Evaluation SW093, November 1999	

Source Evaluation Report for Point of Evaluation (POE) SW093, November 1999. This Report builds on the results of the completed reports (RMRS, 1997c, 1997d, 1997e, 1998a) for the Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results (RMRS, 1997b). Site personnel have evaluated historical data, collected additional water samples for analyses, and assessed Site activities as part of this source evaluation. It is concluded that the likely source of the elevated measurements of the 30-day average for Plutonium (Pu) at SW093 is diffuse, Low-Level radionuclide contamination released to the environment from past Site operations. The best evidence indicates that the most significant source area of this contamination appears to be the B779 sub-drainage.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000442.PDF 4 MB

BZ-A-000443 10/1/1998

Source Evaluation Report for Point of Evaluation SW027, October 1998

Source Evaluation Report for Point of Evaluation SW027, October 1998. Rocky Flats Environmental Technology Site (RFETS) personnel have completed the initial investigation into, and are continuing the source evaluation of, the cause(s) of reportable 30-day moving averages for Plutonium (Pu) water-quality action levels at the Rocky Flats Cleanup Agreement (RFCA) Point of Evaluation (POE) monitoring location SW027. First reported on July 23, 1998: Reportable values were observed at the POE monitoring location on the South Interceptor Ditch (SID) above Pond C-2 (SW027) for the period May 5, 1998 through August 6, 1998.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000443.PDF 10 MB

BZ-A-000444 8/6/1998

Source Evaluation Plan for RFCA Point of Evaluation SW027, August 1998

Source Evaluation Plan for RFCA Point of Evaluation SW027, August 6, 1998. This Plan addresses the July 22, 1998 Rocky Flats Environmental Technology Site (RFETS) report of 30-day moving averages for Plutonium (Pu) water-quality results for the South Interceptor Ditch (SID), Point of Evaluation (POE) SW027.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000444.PDF 1 MB

BZ-A-000445 4/1/1998

Final Report to Source Evaluation and Mitigating Actions Plan Walnut Creek, April 1998

Final Report to the Source Evaluation and Mitigating Actions Plan for Walnut Creek, April 1998. Rocky Flats Environmental Technology Site (RFETS) personnel have completed the initial investigation into, and are continuing the source evaluation of, the cause(s) of exceedances of 30-day moving averages for Plutonium (Pu) and americium (Am) water-quality standards at the Walnut Creek Rocky Flats Cleanup Agreement (RFCA) Point of compliance (POC) monitoring location, GS03 and two upstream Point of Evaluation (POE) monitoring locations, GS10 and SW093. First reported on August 15, 1997.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000445.PDF 10 MB

BZ-A-000446 11/1/1997

Progress Report 2 Source Evaluation and Preliminary Mitigation Plan Walnut Creek, November 1997

Progress Report No. 2 to the Source Evaluation and Preliminary Mitigation Plan for Walnut Creek, November 1997. Elevated 30-day moving averages for Plutonium (Pu) and Americium (Am) water-quality results were measured at Point of Compliance monitoring location GS03 and Point of Evaluation (POE) locations GS10 and SW093. The Walnut Creek source location activities undertaken by the Rocky Flats Environmental Technology Site (RFETS) thus far, indicate that the GS03 exceedance is most likely the result of legacy contamination. The source evaluation has uncovered no information that indicates that recent Site activities are responsible.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000446.PDF 14 MB

BZ-A-000447 9/15/1997

Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results

Plan for Source Evaluation and Preliminary Proposed Mitigating Actions for Walnut Creek Water-Quality Results, September 15, 1997. This Plan addresses the August 15, 1997 Rocky Flats Environmental Technology Site (RFETS) report of elevated 30-day moving averages for Plutonium (Pu) and Americium (Am) water-quality results measured in Point of Compliance (POC) monitoring location GS03 and Point of Evaluation (POE) measuring location GS10. This revision incorporates all comments from Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) (as of September 11, 1997) on the original Draft Plan submitted to Regulators on July 17, 1997.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000447.PDF 2 MB

BZ-A-000448 3/22/2000

SAP for Automated Synoptic Surface Water and Sediment Sampling for the GS10 Source Investigation, Final March 2000

Final Sampling and Analysis Plan (SAP) for Automated Synoptic Surface Water and Sediment Sampling for the GS10 source Investigation, March 2000. This SAP provides for sampling activities for six (6) sub-drainage areas at the Rocky Flats Environmental Technology Site (RFETS). This activity supports the ongoing Source Investigation activities being conducted in response to elevated water-quality measurements for the RFCA Point of Evaluation (POE) in South Walnut Creek, GS10. The objective of this SAP is to define specific data needs, sampling and analysis requirements, data handling procedures, and associated Quality Assurance / Quality Control (QA/QC) requirements for these projects.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000448.PDF 3 MB

BZ-A-000449 10/1/1997

RFETS Automated Surface Water Monitoring FY98 Work Plan, October 1997

Rocky Flats Environmental Technology Site (RFETS) Automated Surface Water Monitoring FY98 Work Plan, October 1, 1997. This WP describes the automated surface water monitoring program for implementation of the Rocky Flats Cleanup Agreement (RFCA, 1996) at the RFETS in accordance with the Integrated Monitoring Plan (IMP) and the Industrial Area (IA) Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) (EG&E, 1994)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000449.PDF 6 MB

BZ-A-000450 4/25/1994

Addendum to HASP Implementation of Phase II RFI/RI of OU07

Addendum to Site-Specific Health and Safety Plan/Practice (HASP) Implementation of Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Rocky Flats Plant (RFP), Operable Unit OU07 Draft dated April 25, 1994.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000450.PDF 1 MB

BZ-A-000451

5/16/1994

WP Implementation Plan for Present Landfill of OU07

Work Plan (WP) Implementation Plan for Present Landfill at Operable Unit OU07 dated May 16, 1994. This plan addresses procedures to implement the WP by task, equipment and training requirements. Also required field support and project schedule for field activities including mobilization and demobilization.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000451.PDF 2 MB

BZ-A-000452

6/2/1993

Comments on TM2 for Phase I RFI/RI of OU07 HHRA Model Description

Comments on the Draft Final Technical Memorandum TM2 for Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) of Operable Unit OU07 Human Health Risk Assessment (HHRA) Model Description dated June 3, 1993.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000452.PDF 464 KB

BZ-A-000453

6/1/1992

CX Site Characterization for OU03, OU04, OU07 and OU09

EG&G Rocky Flats, Inc. forwards the Categorical Exclusion (CX) Site Characterization for Operable Units OU03, OU04, OU07 and OU09. These OUs consist of off site areas, Solar Evaporation Ponds (SEPs), Present Landfill and Original Process Waste Lines.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000453.PDF 678 KB

BZ-A-000454

7/27/1995

Transmits Phase I IM/IRA DD for OU07 Present Landfill Draft Report

Transmits Phase I Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) for Operable Unit OU07 Present Landfill, Draft Report dated July 27, 1995. This report proposes an alternative for the closure of OU07. This document summarizes the results from two separate field investigations at OU07 and provides the resultant interpretation of the nature and extent of contamination.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000454.PDF 25 MB

BZ-A-000455

2/12/1996

Transmits Treatability Study Annual Report

Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Treatability Study Annual Report. This estimates the number of studies and the amount of waste expected to be used in studies during the calendar year 1996. Eleven technologies performing a total of 63 studies, involving a total of 60,993 kg of hazardous wastes are scheduled for the calendar year 1996.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000455.PDF	664 KB
BZ-A-000456	8/28/1995
Revisions to OU07 IM/IRA DD and Closure Plan	
Kaiser-Hill Company, L.L.C. (K-H) submits Revisions to Operable Unit OU07 Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD) and Closure Plan. The plan consists of the re-evaluation of the slurry wall, a long-term leachate control. Although the leachate does not pose a threat to the public or environment, it does not meet OU07 specific Applicable or Relevant and Appropriate Requirements (ARARs), at the source area. The East Landfill Pond and Dam are retained, the grading plan for the landfill cap must be altered to minimize pond activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000456.PDF	136 KB
BZ-A-000457	7/1/1994
CDPHE Comments on TM Revised WP for OU07	
Colorado Department of Public Health and Environment (CDPHE) provides comments on the Technical Memoranda (TM), Revised Work Plan (WP) for Operable Unit OU07. The Division has found both the TM portion, containing the results of the Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) fieldwork, and the revised WP, proposing field work to satisfy Phase II RFI/RI objectives, to be sufficiently lacking in technical merit and strategic planning, to not allow approval of this draft version.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000457.PDF	2 MB
BZ-A-000458	6/20/1998
Water Blanket at Pond 207C	
Discusses the decisions made regarding actions necessary to maintain a water blanket at Pond 207C. Due to the recent hot and dry weather the water has evaporated in Pond 207C, to the extent that an effective water blanket no longer exists. The water blanket is required to prevent air dispersion of radioactivity and hazardous contaminant fines from the surface of the pond liner.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000458.PDF	157 KB
BZ-A-000459	4/15/1994
Technology Literature Research Final Report of OU07	
Technology Literature Research Final Report of Operable Unit OU07, Present Landfill in Individual Hazardous Substance Site (IHSS) 114 and 203 dated April 15, 1994. This report discusses the Present Landfill and Inactive Hazardous Waste Storage Area, IHSS 203. Another area discussed in this research is the East Landfill Pond and the spray evaporation areas, IHSS 167.2 and 167.3.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000459.PDF	5 MB
BZ-A-000460	1/1/1995
Final Technical Specifications of Seep Collection and Storage Facility of OU07	

Final Technical Specifications of Seep Collection and Storage Facility of Operable Unit OU07 dated January 1995. The specifications consist of Earthwork, Aggregate Base Course, Riprap, Drain Rock, Concrete Form Work and Reinforcement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000460.PDF	4 MB
BZ-A-000461	5/23/1995
Proposed Closure Strategy for OU07	
Proposed Closure Strategy for Operable Unit OU07. This facts sheet discusses, Present Landfill Disposal and Hydrogeology, the Inactive Hazardous Waste Storage Area, Asbestos Disposal Areas, the Landfill Gas and the Proposed Final Remedy for Closure in the Spring of 1997.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000461.PDF	623 KB
BZ-A-000462	4/20/1995
Technical Review of Proposed Closure Strategy for OU07	
Technical Review of Proposed Closure Strategy for Operable Unit OU07. This review provides comments and recommendations to the Environmental Restoration (ER) at Rocky Flats Field Office (RFFO).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000462.PDF	467 KB
BZ-A-000463	4/13/1995
Proposed Closure Strategy for OU07	
Proposed Closure Strategy for Operable Unit OU07. This document provides comments and strongly recommends Quality Assurance / Quality Control (QA/QC). The comments discuss the Groundwater Risk Assessment, the slurry wall and questions on why subsurface soil sampling was not done.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000463.PDF	413 KB
BZ-A-000464	4/17/1995
Proposed Closure Strategy for OU07	
Proposed Closure Strategy for Operable Unit OU07. This document provides comments on the elevated chemicals and the groundwater present in the landfill and the consistency of water in it.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000464.PDF	157 KB
BZ-A-000465	4/13/1995
Comments on Closure Strategy Draft Report for OU07	
EG&G Rocky Flats, Inc. forwards comments on the Closure Strategy Draft Report for Operable Unit OU07. The comments discuss the upgradient groundwater intrusion and migration by isolation and contaminant, which will retard the volume of leachate generated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000465.PDF	129 KB
BZ-A-000466	4/21/1995

Comments on Proposed Closure Strategy Draft Report for OU07	
Comments on EG&G Rocky Flats, Inc. Proposed Closure Strategy Draft Report for Operable Unit OU07 dated April 13, 1995. This document provides coverage of the conceptual plan for OU07 Interim Measures / Interim Remedial Action (IM/IRA) Environmental Assessment (EA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000466.PDF	422 KB
BZ-A-000467	
2/28/1994	
Draft Data Quality Objectives for OU07 IHSS 114 and 203	
US Department of Energy (DOE) submits the Draft Data Quality Objectives for Operable Unit OU07 the Present Landfill, Individual Hazardous Substance Site (IHSS) 114 and the Inactive Hazardous Waste Storage Area IHSS 203. The objectives also include the East Landfill Pond and Adjacent Spray Evaporation Areas.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000467.PDF	1 MB
BZ-A-000468	
2/22/1995	
Determining Groundwater Treatment ARARs for OU07	
S. M. Stoller Corporation finds several discrepancies between Stoller and EG&G Rocky Flats, Inc. analyses of Applicable or Relevant and Appropriate Requirements (ARARs) for Operable Unit OU07.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000468.PDF	165 KB
BZ-A-000469	
7/27/1994	
OU07 CERCLA Groundwater Well Sampling and Labor Estimates	
Requesting a labor cost estimate for FY95 for Operable Unit OU07 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) groundwater monitoring and sampling activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000469.PDF	279 KB
BZ-A-000470	
7/1/1996	
Comments and responses on the OU07 Decision Document	
US Department of Energy (DOE) forwards comments and responses on the Operable Unit OU07 Decision Document (DD) which is found complete and acceptable. Three comments require further clarification, the first is discusses a renewed evaluation of groundwater and surface water interactions, the cost of a stand along leachate treatment facility and further analysis of a treatment option for all contaminants of concern is needed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000470.PDF	157 KB
BZ-A-000471	
12/21/1994	
Response to Comments on the Operable Unit OU07 Seep Collection	
Response to Comments on the Operable Unit OU07 Seep Collection and Storage Facility Design Plans and Specifications submitted by the S. M. Stoller Corporation on December 21, 1994. This document gives EG&G Rocky Flats, Inc. comments on the plan and in return responses are listed by the Stoller Corporation.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000471.PDF	353 KB
BZ-A-000472	6/22/1994
Progress reports on the Groundwater Modeling for the OU07	
S. M. Stoller Corporation forwards progress reports on the Groundwater Modeling for the Operable Unit OU07. These reports cover the period from June 22, 1994 through June 12, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000472.PDF	2 MB
BZ-A-000473	9/23/1996
Monthly Discharge Monitoring Report, August 1996	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the Monthly Discharge Monitoring Report (DMR) for August 1996. There were no discharges from Pond A-3, B-5 or C-2. There was continuous discharge from Pond B-3 and Sewage Treatment Plant (STP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000473.PDF	773 KB
BZ-A-000474	9/27/1996
Results of 1996 Pre-Remedial Investigation of Mound Site	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Results of the 1996 Pre-Remedial Investigation of the Mound Site dated September 27, 1996. These results consist of Drums at Mound Site prior to and during burial, the Mound Site with drums buried and the excavation of Mound Site and the Area Geoprobe Investigation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000474.PDF	1 MB
BZ-A-000475	10/9/1996
Radiological Deficiency Report	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Radiological Deficiency Report (RDR) for the Trenches T-3 and T-4, in which the description was disagreed upon.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000475.pdf	263 KB
BZ-A-000476	11/1/1994
Draft of Technical Specifications Seep Collection/Storage Facility OU07	
Technical Specifications of the Seep Collection and Storage Facility of Operable Unit OU07, Draft Report dated November 1994.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000476.PDF	4 MB
BZ-A-000477	9/1/1995
Technical Specifications Seep Collection/Storage Facility OU07	

Technical Specifications, of the Seep Collection and Storage Facility of Operable Unit OU07 dated September 1995, Revision 1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000477.PDF	9 MB
BZ-A-000478	5/22/1996
Monthly Discharge Monitoring Report, April 1996	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the Monthly Discharge Monitoring Report for April 1996. No spray irrigation occurred from Pond-3 during the month of April. There was continuous discharge from Pond-3 (Outfall 001) and the Sewage Treatment Plant (Outfall STP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000478.PDF	2 MB
BZ-A-000479	5/6/1996
Transmits Responses to Comments on OU07 IM/IRA DD RCRA Closure Plan	
Kaiser-Hill Company, L.L.C. (K-H) submits the responses to comments from the US Department of Energy (DOE) on the Operable Unit OU07 Interim Measures / Interim Remedial Action (IM/IRA) Decision Document (DD), Proposed Plan, and Resource Conservation and Recovery Act (RCRA) Closure Plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000479.PDF	926 KB
BZ-A-000480	7/1/1996
Assessment of Adequacy of Ryan's Pit Soil Sample Analysis Data	
Rocky Mountain Remediation Services, L.L.C. (RMRS) Assessment of the Adequacy of Ryan's Pit Soil Sample Analysis Data, Revision 1. This supports the closure requirements established in the project Data Quality Objectives (DQOs).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000480.PDF	420 KB
BZ-A-000481	10/21/1996
Monthly Discharge Monitoring Report, September 1996	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the Monthly Discharge Monitoring Report (DMR) for September 1996, which is required by the Rocky Flats (RF) National Pollution Discharge Elimination System (NPDES). There were no discharges from Pond A-3 (Outfall 002 or Pond C-2 (Outfall 007). Pond B-5 (Outfall 006) began discharge on September 18, 1996, but was halted on September 19, 1996 for 24 hours to allow for settling from a precipitation event of greater than 0.5 inches.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000481.PDF	1 MB
BZ-A-000482	7/19/1996
1994 grass fire burn report in northeast Buffer Zone	
Final Draft of the 1994 Grass Fire Burn in the Northeast Buffer Zone, which scorched approximately 69 acres.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000482.PDF	539 KB

BZ-A-000483	7/17/1996
Monthly Discharge Monitoring Report, June 1996	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards the Monthly Discharge Monitoring Report (DMR) for June 1996. Pond A-3 (Outfall 002) pumped discharge from June 1 through June 5 to below Pond A-4 as part of the construction activities for Pond A-4.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000483.PDF	3 MB
BZ-A-000484	6/11/1996
Draft SAP Pre-Remediation Investigation, Mound, 903 Pad, T-1	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Draft Sampling and Analysis Plan (SAP) Pre-Remediation Investigation of the Mound, 903 Pad and Trench T-1, Revision 0 dated May 10, 1996.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000484.PDF	2 MB
BZ-A-000485	3/8/1995
Database Decisions for Ecological Risk Assessment	
Documentation of the decision process concerning database clean up for the ecological risk assessment. This discusses consolidating the Operable Units into one database, which is presented as being unsuccessful.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000485.PDF	615 KB
BZ-A-000486	4/3/1995
NEPA and NPDES/FFCA Compliance Environmental Checklist for removal of B964	
National Environmental Policy Act (NEPA) and National Pollution Discharge Elimination System (NPDES), Federal Facilities Compliance Agreement (FFCA) Environmental Checklist for the demolition of Building 964 located east of the Solar Ponds.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000486.PDF	307 KB
BZ-A-000487	5/15/1996
Second Quarterly Report for OU01/OU02 IM/IRA CWTF	
Second Quarterly Report for Consolidated Water Treatment Facility (CWTF) for January through March 1996 which includes the Operable Unit OU01 and OU02 Data Summary for October through December 1995, dated April 1996. This report includes tables of chemical usage, characteristics and Appendix A includes Data Qualifiers and Descriptions. Attached is a map of the 881 Hillside Water Level.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000487.PDF	1 MB
BZ-A-000488	4/1/2001
2001 Annual Vegetation Management Plan	

2001 Annual Vegetation Management Plan for the Rocky Flats Environmental Technology Site (RFETS). This plan is designed to control excessive vegetation that can increase wildfire hazards, to control present and future infestations of noxious weeds, and enhance the native plant communities by reducing dead plant litter while recycling nutrients. This document includes Appendix A, Aerial herbicide application plan for FY 2001 and Appendix B, Guidelines for Temporary Revegetation.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000488.PDF 3 MB

BZ-A-000489 4/17/2001

FY2001 Quick Win Deployment Proposals

Submitting a proposal to the Subsurface Contaminants Focus Area in response to its Fiscal Year 2001 call for Quick Win Deployments. The Site is planning to use Evapotranspiration Covers to close two landfills and an interim status Resource Conservation and Recovery Act (RCRA) unit. The plan for Placement of an Evapotranspiration Covers for the Ash Pits and Trench 7 is attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000489.PDF 359 KB

BZ-A-00049 1/16/1995

Certification of Operable Unit 2 Field Treatable Unit for Filter Cake Sludge

The Operable Unit (OU) 2 Closure Team is in the process of obtaining approval to ship filter cake sludge generated at the Field Treatability Unit (FTU) to ENVIROCARE of Utah.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-00049.pdf 118 KB

BZ-A-000490 4/18/1996

Requesting transfer of remaining HPGe Gamma Ray Detectors

US Department of Energy (DOE) requesting transfer of the remaining High Purity Germanium (HPGe) Gamma Ray Detectors, which is denied.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000490.PDF 112 KB

BZ-A-000491 9/1/1995

Consolidation of OU01 and OU02 Treatment Facilities

Discusses the consolidation of Operable Unit OU01 and OU02 treatment facilities and the cost effectiveness and consistency with sitewide strategies under development.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000491.PDF 159 KB

BZ-A-000492 5/6/1996

Necessary and Sufficient Sampling for OU01 and OU02

Discusses the necessary and sufficient sampling for the Operable Unit OU01 and OU02 Consolidated Treatment Plant.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000492.PDF 230 KB

BZ-A-000493 6/19/1995

Transmits Certification of RCRA Closure for West Spray Fields	
US Department of Energy (DOE) forwards the Certification of Resource Conservation and Recovery Act (RCRA) Closure for the West Spray Field at Operable Unit OU11.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000493.PDF	64 KB
BZ-A-000494	6/19/1995
Certification of RCRA Closure for West Spray Fields	
Certification of Resource Conservation and Recovery Act (RCRA) Closure for the West Spray Field at Operable Unit OU11.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000494.PDF	507 KB
BZ-A-000495	8/2/1995
Preliminary Draft of Closure Plan for OU11 West Spray Field	
Kaiser-Hill Company, L.L.C. (K-H) forwards draft copy of the Interim Status Plan for Operable Unit OU11, West Spray Field to the Colorado Department of Public Health and Environment (CDPHE). K-H requests comments before placing the plan for public comment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000495.PDF	220 KB
BZ-A-000496	8/2/1995
Preliminary Draft of Closure Plan for OU11 West Spray Field	
Rocky Mountain Remediation Services, L.L.C. (RMRS) forwards draft copy of the Interim Status Plan for Operable Unit OU11, West Spray Field to Kaiser-Hill Company, L.L.C. (K-H) for comments due by August 8, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000496.PDF	213 KB
BZ-A-000497	8/2/1995
Preliminary Draft of Closure Plan for OU11 West Spray Field	
Kaiser-Hill Company, L.L.C. (K-H) forwards draft copy of the Interim Status Plan for Operable Unit OU11, West Spray Field to US Department of Energy (DOE) for comment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000497.PDF	212 KB
BZ-A-000498	1/18/1996
News Release: OU11 and OU15 CAD/ROD Declarations	
Newspaper Article: Corrective Action Decision / Record of Decision (CAD/ROD) Declarations for two Operable Units at the Rocky Flats Environmental Technology Site (RFETS/Site). A CAD/ROD has been issued for OU11: West Spray Field, and OU15: Inside Building Closures.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000498.PDF	100 KB
BZ-A-000499	12/13/1995

Status of Buffer Zone Cleanup Effort	
Discusses the status of the Buffer Zone cleanup effort, which includes the pipe removal from the B-Pond Area and the removal of 23 sections of aluminum sprinkler pipe.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000499.PDF	61 KB
BZ-A-000500	2/28/1996
Transmits Proposed Plan for CAD/ROD OU11 and OU15	
Transmits Proposed Plan for Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU11 and OU15.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000500.PDF	78 KB
BZ-A-000501	8/7/1995
Public Notice on two Draft Closure Plans under the CHWR	
Colorado Department of Public Health and Environment (CDPHE) Public Notice of Opportunity to comment on two draft closure plans under the Colorado Hazardous Waste Regulations (CHWR). This plan consists of the Operable Unit OU15: Inside Building Closures and the closure of the OU11: West Spray Fields.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000501.PDF	157 KB
BZ-A-000502	5/3/2001
Forwards the enclosed responses to CDPHE concerns re BZ Report	
Forwards the enclosed Rocky Flats Environmental Technology Site (RFETS) Responses to Concerns regarding the Colorado Department of Public Health and Environment (CDPHE) Buffer Zone (BZ) Report [Buffer Zone Contamination Review Technical Report, dated August 23, 1999]. This document was prepared by the RFETS for presentation at the CDPHE / US Environmental Protection Agency (EPA) / Site meeting on January 10, 2001. The purpose of the meeting was to reach agreement on all areas identified by the CDPHE BZ Report as being of possible environmental concern.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000502.PDF	2 MB
BZ-A-000503	1/18/1996
News Release: OU11 and OU15 CAD/ROD Declarations	
Rocky Mountain News article releasing information on the Corrective Action Decision / Record of Decision (CAD/ROD) Declarations for Operable Unit OU11 and OU15.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000503.PDF	102 KB
BZ-A-000504	10/23/1996
Review of the Radiological Deficiency Report	
Rocky Mountain Remediation Services, L.L.C. (RMRS) reviewed the Radiological Deficiency Report (RDR), and requests correction to the statement in Attachment A referencing the Resource Technology Group (RTG). The RTG is not responsible for groundwater monitoring and was not involved in the activity referenced in this RDR.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000504.pdf	778 KB
BZ-A-000505	7/1/1995
Comments on CAD/ROD OU11 West Spray Field	
Colorado Department of Public Health and Environment (CDPHE) submits comments on the Preliminary Draft Corrective Action Decision / Record of Decision (CAD/ROD) Operable Unit OU11, West Spray Field, Individual Hazardous Substance Site (IHSS) 168.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000505.PDF	85 KB
BZ-A-000506	9/1/1995
RS Proposed Plan/Draft Modification of Colorado Hazardous Waste Permit OU11	
Responsiveness Summary (RS) Proposed Plan Draft, Modification of the Colorado Hazardous Waste Permit for Operable Unit OU11: West Spray Field.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000506.PDF	209 KB
BZ-A-000507	9/1/1995
Comments on OU11 Draft Responsiveness Summary	
Draft Responsiveness Summary (RS) to Public Comments on the Proposed Plan for Operable Unit OU11, West Spray Field.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000507.PDF	276 KB
BZ-A-000508	9/5/1995
Comments on OU11 Draft Responsiveness Summary	
Comments on the Draft Responsiveness Summary (RS) Proposed Plan for Operable Unit OU11, West Spray Field.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000508.PDF	267 KB
BZ-A-000509	9/5/1995
Comments on OU11 Draft Responsiveness Summary	
Comments on the Draft Responsiveness Summary (RS) Proposed Plan for Operable Unit OU11: West Spray Field.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000509.PDF	324 KB
BZ-A-000510	9/1/1995
Final CAD/ROD for OU11 West Spray Field	
Final Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU11, West Spray Field dated September 1995, Revision 0.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000510.PDF	720 KB

BZ-A-000511	10/16/1995
CAD/ROD Declaration for OU11 West Spray Field	
Colorado Department of Public Health and Environment (CDPHE) submits the signed Corrective Action Decision / Record of Decision (CAD/ROD) Declaration for Operable Unit OU11, West Spray Field, to present to the US Environmental Protection Agency (EPA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000511.PDF	144 KB
BZ-A-000512	8/8/1995
Comments on OU11 CAD/ROD West Spray Field	
Comments on Operable Unit OU11 Corrective Action Decision / Record of Decision (CAD/ROD) West Spray Field.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000512.PDF	317 KB
BZ-A-000513	11/19/1996
Monthly Discharge Monitoring Report, November 1996	
Monthly Discharge Monitoring Report (DMR), for November 1996. There were no discharges from Pond A-4 or Pond C-2. Pond A-3 began discharge on October 28, 1996, and continued through October 31, 1996. This discharge was directed via the ponds outlet works to Pond A-4 and did not utilize the temporary bypass line.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000513.PDF	1 MB
BZ-A-000514	1/7/1993
SOW Soil Vapor Survey OU02 Subsurface IRA	
Statement of Work (SOW) for Soil Vapor Survey Operable Unit OU02 Interim Remedial Actions (IRAs). The purpose of this task is to establish the location of three Soil Vapor Extraction (SVE) test sites within OU02. The objective is to map the concentration and distribution of the volatile organic carbon source areas in vicinity of three SVE test sites.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000514.PDF	4 MB
BZ-A-000515	4/1/1991
HASP Phase II RFI/RI 903 Pad, East Mound Trenches OU02	
Health and Safety Plan / Practice (HASP) (Accident Prevention Safety Program Plan) Rocky Flats Plant (RFP) Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) 903 Pad, Mound, and East Trenches Areas of Operable Unit OU02 dated April 1991, Revision 0. Attachment A through L are included in this plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000515.pdf	17 MB
BZ-A-000516	9/22/1997
903 Drum Storage IHSS 112, 903 Lip Area IHSS 155, Am Zone Data Summary	

903 Drum Storage Area Individual Hazardous Substance Site (IHSS) 112, 903 Lip Area IHSS 155 and Americium (Am) Zone Data Summary dated September 22, 1997. This document summarizes existing data which will be used to plan an accelerated remedial action for IHSSs and contaminated surface and subsurface soils including Reactive Metal Destruction Site, IHSS 140 and Buffer Zone OU including the AM Zone and Operable Unit OU01.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000516.PDF	41 MB
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BZ-A-000517	9/22/1997
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Transmits 903 Drum Storage IHSS 112, 903 Lip Area IHSS 155, Am Zone Summary

Transmits 903 Drum Storage Area Individual Hazardous Substance Site (IHSS) 112, 903 Lip Area IHSS 155 and Americium (Am) Zone Summary Data.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000517.PDF	78 KB
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BZ-A-000518	7/31/1996
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FSP to Support Final Disposition of Treated Soil from Ryan's Pit

Field Sampling Plan (FSP) to Support the Final Disposition of Treated Soil from the Ryan's Pit Source Removal Project dated July 31, 1996, Revision 0.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000518.PDF	398 KB
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BZ-A-000519	4/28/1997
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Final SAP for Downgradient Investigation of IHSS 119.1

Appendix A: Final Sampling and Analysis Plan (SAP), for the Downgradient Investigation of Individual Hazardous Substance Site IHSS 119.1 dated April 1997, Revision 1. This plan is to determine whether the groundwater contamination is from the downgradient or result of the upgradient sources, due to leakage of radiological material from drums, stored in this area from 1968 to 1971.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000519.PDF	1 MB
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BZ-A-000520	7/18/1997
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Ceased work on the IHSS 119.1 CAD/ROD Amendment

Response to recent Kaiser-Hill Company, L.L.C. (K-H) and US Department of Energy (DOE) direction, Rocky Mountain Remediation Services, L.L.C. (RMRS) has ceased work on the Individual Hazardous Substance Site (IHSS) 119.1 Corrective Action Decision / Record of Decision (CAD/ROD) Amendment. A rough draft developed prior to notification that DOE would be preparing the document internally is attached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000520.PDF	836 KB
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BZ-A-000521	6/9/1995
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Soil Gas Survey - Final Data Report, OU02 Trench Characterization

Soil Gas Survey, Final Data Report, Operable Unit OU02 Trench Characterization. This report consists of Volumes I, II and, III. Volume One is the Summary of Methods and Procedures of the Sample Collection of Soil, Soil Gas and Liquids. Volumes Two and Three consist of Methods and Ambient Air Blanks, Continuing Calibration Verifications and Sampling Chromatogram and Summary Report.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000521.PDF	25 MB
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BZ-A-000522	7/8/1994
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Volume I, Revised Technical Proposal of Combined RFI/RI WP OU11 West Spray Field

Volume I, Revised Technical Proposal Implementation of the Combined Phase Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) for Operable Unit OU11, West Spray Field.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000522.PDF	9 MB
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BZ-A-000523	6/30/2001
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Transmits BZSAP and Buffer Zone Data Summary

Transmits a copy of the Draft Buffer Zone Sampling and Analysis Plan (BZSAP) and Draft Buffer Zone Data Summary for review.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000523.pdf	97 KB
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BZ-A-000524	7/24/2001
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Submits the Draft BZSAP and Draft BZ Data Summary

Submits the attached [000525] Draft Buffer Zone Sampling and Analysis Plan (BZSAP) and Draft BZ Data Summary, for forwarding to the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) for their review. The Draft BZSAP contains revisions that reflect comments by the US Department of Energy, Rocky Flats Field Office (DOE/RFFO) on the preliminary BZSAP. Completion of Agency review is requested by August 17, 2001.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000524.PDF	83 KB
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BZ-A-000525	7/1/2001
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Draft BZSAP, July 2001

Draft Buffer Zone Sampling and Analysis Plan (BZSAP), dated July 2001. This describes surface and subsurface soil characterization and remediation confirmation sampling activities for Individual Hazardous Substance Sites (IHSSs), Potential Areas of Concern (PACs), and Under Building Contaminant (UBC) Sites. It is Rocky Flats Cleanup Agreement (RFCA) Decision Document (DD) for accelerated action sampling in the BZ.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000525.PDF	18 MB
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BZ-A-000526	7/1/2001
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Submits the Draft BZ Data Summary Report (BZDSR), July 2001

Draft Rocky Flats Environmental Technology Site (RFETS/Site) Buffer Zone Data Summary Report (BZ DSR), July 2001. The BZDSR is a compilation of analytical data from sediment, surface, and subsurface soil samples collected at the RFETS BZ. Analytical data generated by on-site and off-site laboratories are stored in electronic format in the Soil Water Database (SWD). The purpose of this report is to provide a qualified set of data for characterization and risk assessment. This report describes the data quality filters used to qualify the data as acceptable, acceptable with qualifications, or rejected. This report includes data collected in support of Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigations (RFI/RI) and other relevant characterizations for the following Operable Units: OU01, OU02, OU05, OU06, OU07, OU10, OU11, and OU16. Attachment I: Chemical and Radiochemical Sample Results Database on Compact Disc.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000526.PDF	13 MB
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BZ-A-000527	5/13/1993
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HASP for Soil Vapor Survey WP Subsurface IM/IRA 903 Pad, Mound East Trenches

Appendix B, Project-Specific Health and Safety Plan (HASP) for Soil Vapor Survey Work Plan (WP) Subsurface Interim Measures / Interim Remedial Action (IM/IRA) 903 Pad, Mound and East Trenches Areas, Operable Unit OU02 Final dated May 13, 1993.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000527.PDF	2 MB
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BZ-A-000528	4/12/1994
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HASP for OU02 Soil and Vegetation Sampling for Pu Soils

Review of Project Health and Safety Plan (HASP) for Operable Unit OU02 Soil and Vegetation Sampling for Plutonium (Pu) Soils Cleanup Treatability Studies (TS), dated April 1994.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000528.PDF	224 KB
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BZ-A-000529	5/14/1993
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HASP for In Situ Volatilization Subsurface IM/IRA, East Trenches

Appendix B, Final Project Specific Health and Safety Plan (HASP) for In Situ Volatilization Subsurface Interim Measures / Interim Remedial Action (IM/IRA) East Trenches Area, Operable Unit OU02 dated May 14, 1993.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000529.PDF	2 MB
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BZ-A-000530	10/19/2001
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Comments on the Draft Buffer Zone SAP

Colorado Department of Public Health and Environment (CDPHE) transmits their attached comments on the Draft Buffer Zone Sampling and Analysis Plan (SAP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000530.PDF	149 KB
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BZ-A-000531	12/4/2000
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Forwards Draft Rock Creek Reserve Integrated Natural Resources Plan and EA

The US Department of Energy (DOE) forwards the Draft Rock Creek Reserve Integrated Natural Resources Management Plan and Environmental Assessment (EA) 2000-2006, Draft December 2000 for review and comment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000531.PDF	93 KB
BZ-A-000532	12/1/2000
Integrated Natural Resources Management Plan and EA for Rock Creek Reserve	
Integrated Natural Resources Management Plan and Environmental Assessment for Rock Creek Reserve 2000-2006, Draft December 2000. Includes Appendices as follows; Appendix 1, Interagency Agreement (IAG), Appendix 2, Decision Document (DD), Appendix 3, Executive Summary 1995 Geochemical Characterization of Soils Report, Appendix 4, Plant Species List, Appendix 5, Wildlife Species List, Appendix 6, Preble's Meadow Jumping Mouse Protection Policy, Appendix 7, List of CNHP "Sensitive" Species for Site and Appendix 8, Preble's Meadow Jumping Mouse Memorandum of Agreement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000532.PDF	8 MB
BZ-A-000533	5/24/2001
Forwards the Final Rock Creek Reserve Integrated Natural Resources Management Plan	
Forwards the attached [000534] Final Rock Creek Reserve Integrated Natural Resources Management Plan, Environmental Assessment and the Finding of No Significant Impacts for Rock Creek Reserve.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000533.PDF	72 KB
BZ-A-000534	5/1/2001
Final Rock Creek Reserve Integrated Natural Resources Management Plan EA	
Final Rock Creek Reserve Integrated Natural Resources Management Plan, Environmental Assessment and the Finding of No Significant Impacts for Rock Creek Reserve, 2001 Closure. Includes Appendices as follows; Appendix 1, Interagency Agreement (IAG), Appendix 2, Decision Document (DD), Appendix 3, Executive Summary 1995 Geochemical Characterization of Soils Report, Appendix 4, Plant Species List, Appendix 5, Wildlife Species List, Appendix 6, Preble's Meadow Jumping Mouse Protection Policy, Appendix 7, List of CNHP "Sensitive" Species for Site and Appendix 8, Preble's Meadow Jumping Mouse Memorandum of Agreement, Appendix 9, Public Comment/Response Table, Appendix 10, Biological Assessment for Rock Creek INRMP, Appendix 11, Biological Opinion for Rock Creek INRMP.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000534.PDF	14 MB
BZ-A-000535	6/21/2001
Delivers copy of Rock Creek Reserve EA/FONSI and lessons learned	
Memorandum delivers a copy of the Rock Creek Reserve Environmental Assessment (EA) / Finding of No Significant Impact (FONSI) and a copy of "lessons learned" summary of the project. Also included is the US Department of Energy (DOE), National Environmental Policy Act (NEPA) Document Certification Form.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000535.PDF	56 KB
BZ-A-000536	6/1/2001

Rock Creek Reserve Environmental Assessment June 2001, supporting data	
Rock Creek Reserve Environmental Assessment June 2001, (EA)/Finding of No Significant Impact (FONSI) and a copy of "lessons learned" summary of the project. Also included is the US Department of Energy (DOE), National Environmental Policy Act (NEPA) Document Certification Form. This includes various letters, maps and supporting data for this assessment. Supporting data is as follows; Guidelines to Prepare Integrated Natural Resources Management Plans for Army Installation and Activities dated April 1997, Interagency Agreement (IAG) between US Fish and Wildlife Service (FWS) and the US Department of Energy (DOE). Includes is a public involvement plan and schedule, a bill from the Congress of the United States to protect Rocky Flats (RF) Buffer Zone as open space and comments for the Attorney General of Colorado on the RF legislation, Preserving a Treasure of National Significance. Many comments from surrounding cities are included in the supporting data and a Biological Assessment is attached.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000536.PDF	34 MB
BZ-A-000537	1/16/2002
Submits the Draft Final BZSAP	
Kaiser-Hill Company, L.L.C. (K-H) submits the Draft Final Buffer Zone Sampling and Analysis Plan (BZSAP) January 2002 for review.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000537.PDF	84 KB
BZ-A-000538	1/1/2002
Draft Final BZSAP	
Draft Final Buffer Zone Sampling and Analysis Plan (BZSAP), January 2002. Includes Appendices A through K.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000538.pdf	16 MB
BZ-A-000539	3/31/1999
NFA Justification Document for PU&D Yard Asbestos Site	
No Further Action (NFA) Justification Document for Property Utilization and Disposal (PU&D) Yard Asbestos Site, Revision 0, March 31, 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised bz-a-000539.pdf	3 MB
BZ-A-000540	3/5/1993
Re: Use Agreement for Offsite Sampling: Perry S. McKay	
US Department of Energy (DOE), submits Use Agreement for Offsite Sampling which consists of data-gathering, testing, exploration on the property of Perry S. McKay, hereinafter referred to as the Grantor. Maps of the area are also included. This Record is transferred from the Sitewide AR file (SW-A-003983)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000540.PDF	326 KB
BZ-A-000541	3/13/2002

EPA grants partial approval of BZSAP pending resolution of concerns	
<p>During discussions involving US Department of Energy, Rocky Flats Field Office (DOE/RFFO), Colorado Department of Public Health and Environment (CDPHE), and the US Environmental Protection Agency (EPA), EPA has expressed its concern that the proposal contained in the Buffer Zone Sampling and Analysis Plan (BZSAP) for data aggregation and hot spot evaluation has evolved into a methodology that is overly complicated. EPA believes that before any Data Aggregation and Hot Spot Evaluation Methodology is applied at Rocky Flats, further discussion needs to occur between DOE, the Regulators, local officials and interested public about the potential impacts on how such methodology would affect the Environmental Restoration Program. EPA gives partial approval pending resolution of aforementioned concerns. In addition, EPA approves the sampling activities for BZ Group 900-2, Individual Hazardous Substance Sites IHSS 153 and 154 from BZSAP Addendum BZ-02-01 so that data collection efforts can move forward in these areas.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000541.PDF	92 KB
BZ-A-000542	3/15/2002
EPA grants partial approval of ER RSOP pending resolution of concerns	
<p>At this time the US Environmental Protection Agency (EPA) has only one substantive concern over the Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), and that centers on how it would be used to address areas of radiologic contamination if the Rocky Flats Environmental Technology Site (RFETS/Site) undertakes such work prior to the impending revision of the Radionuclide Soil Action Levels (RSALs). In consideration of that, EPA approves the ER RSOP subject to the listed conditions.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000542.PDF	123 KB
BZ-A-000543	4/25/2002
CDPHE approves the BZSAP for use	
<p>The Colorado Department of Public Health and Environment (CDPHE) approves the Buffer Zone Sampling and Analysis Plan (BZSAP) for use. This approval is with the understanding that the concerns regarding data aggregation and hotspot evaluation methodologies will be resolved.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000543.PDF	69 KB
BZ-A-000544	3/4/1997
Approval of SAP for Source Removal at Mound Site	
<p>The Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) approve the implementation of the Final Sampling and Analysis Plan (SAP) in Support of Source Removal at the Mound Site dated January 15, 1997. Document can be found in the CERCLA Administrative Record (AR) OU02-A-001472.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000544.PDF	46 KB
BZ-A-000545	4/29/2002
Type 1 Facility Closeout Report: 181 Meteorological Tower, SE Buffer Zone Area	
Type 1 Facility Closeout Report - 181 Meteorological Tower, SE Buffer Zone Area	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000545.pdf	869 KB
BZ-A-000546	5/29/2002
Submits BZSAP FY02 Addendum No. BZ-02-01	
Submits the attached [000547] Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year 2002 Addendum No. BZ-02-01.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000546.PDF	75 KB
BZ-A-000547	4/1/2002
BZSAP Fiscal Year 2002 Addendum No. BZ-02-01	
Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year 2002 Addendum No. BZ-02-01.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000547.pdf	5 MB
BZ-A-000548	6/12/2002
Forwards BZSAP Fiscal Year 2002 Addendum No. BZ-02-01	
Forwards the attached [000547] Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year 2002 Addendum No. BZ-02-01.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000548.PDF	100 KB
BZ-A-000549	6/28/2002
Submits Final BZSAP, June 2002	
Submits the attached [000550] Final Buffer Zone Sampling and Analysis Plan (BZSAP), June 2002. This plan describes surface and subsurface soil characterization and remediation confirmation sampling activities for Individual Hazardous Substance Site IHSSs, Potential Areas of Concern (PACs), and Under Building Contaminant (UBC) Sites. This plan includes appendices A through K.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000549.PDF	69 KB
BZ-A-000550	6/1/2002
Final BZSAP, June 2002	
Final Buffer Zone Sampling and Analysis Plan (BZSAP), June 2002. This plan describes surface and subsurface soil characterization and remediation confirmation sampling activities for Individual Hazardous Substance Site IHSSs, Potential Areas of Concern (PACs), and Under Building Contaminant (UBC) Sites. This plan includes appendices A through K.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000550.pdf	19 MB
BZ-A-000551	7/10/2002
Second quarterly sanitary landfill perimeter explosive gas monitoring data for 2002	

Forwards the enclosed second quarterly sanitary landfill perimeter explosive gas monitoring data for 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000551.PDF	251 KB
BZ-A-000552	7/9/2002
Forwards the Final BZSAP, June 2002	
Forwards the attached [000550] Final Buffer Zone Sampling and Analysis Plan (BZSAP) dated June 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000552.PDF	89 KB
BZ-A-000553	7/29/2002
Additional sampling at IHSS 153 - Oil Burn Pit	
Purpose of Contact: Discusses recent characterization sample results from Individual Hazardous Substance Site IHSS 153, Oil Burn Pit Perchloroethylene (PCE) were above Tier 1 action levels at one location (north central sampling) and above Tier 2 action levels at an additional 2 locations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000553.PDF	71 KB
BZ-A-000554	9/9/2002
Gives concentration levels at western location of PAC 1412 (T-12)	
Purpose of Contact: Discusses the additional sample concentrations taken at the western location of PAC 1412 (T-12).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000554.PDF	91 KB
BZ-A-000555	9/9/2002
Re: Additional samples from PAC 1412 (T-12)	
Purpose of Contact: PAC NE-1412, Trench 12 (T-12), was recently sampled and two location exceeded the Tier 1 action levels for Tetrachloroethene (PCE). To better define the extent of contamination, samples will be collected from four additional geoprobe holes.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000555.PDF	69 KB
BZ-A-000556	8/12/2002
APEN for 903 Pad Remediation Project	
Submits a copy of the enclosed Air Pollutant Emissions Notice (APEN) for the 903 Pad Remediation Project and a copy of a check for the associated APEN fees. Supporting technical documentation for the 903 Pad Remediation Project is included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000556.pdf	577 KB
BZ-A-000557	9/26/2002
Approval of NFA designation of IHSSs and PACs	

The Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) provide formal approval for the attached No Further Action (NFA) designation of Individual Hazardous Substance Sites IHSSs, Potential Areas of Concern (PACs) and Potential Incidents of Concern (PICs).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000557.PDF	431 KB
BZ-A-000558	10/30/2002
Submits the Draft IHSS Group NE-2, Trench T-7 ER RSOP Notification	
Kaiser-Hill Company, L.L.C. (K-H) submits the attached [000559] Draft Environmental Restoration Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Soil Remediation Fiscal Year 2003 Notification No. 03-01, Individual Hazardous Substance Site IHSS 111.4, Trench T-7.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000558.PDF	71 KB
BZ-A-000559	10/1/2002
Draft ER Soil Remediation RSOP FY03 Notification 03-01; T-7 IHSS 111.4	
Environmental Restoration Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Soil Remediation Fiscal Year 2003 Notification No. 03-01, Individual Hazardous Substance Site IHSS 111.4, Trench T-7. The purpose of this Notification is to invoke the ER RSOP for IHSS Group NE-2. Activities specified in the ER RSOP are not reiterated here; however deviations from the ER RSOP are noted where appropriate. [Soil Remediation RSOP]	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000559.pdf	972 KB
BZ-A-000560	11/12/2002
Submits Draft ER RSOP for Routine Soil Remediation No. 03-01, 03-02 and 03-03	
Submits the attached [000561 and 000562] Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation Notification No. 03-01, 03-02 and 03-03. These reports are provided to the regulatory agencies to start the fourteen-day review and approval period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000560.PDF	75 KB
BZ-A-000561	11/1/2002
Draft ER RSOP for Routine Soil Remediation No. 03-01, IHSS 111.4, Trench T-7	
Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY03 Notification No. 03-01, IHSS 111.4, Trench T-7, November 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000561.pdf	923 KB
BZ-A-000562	11/1/2002
Draft ER RSOP for Routine Soil Remediation No. 03-02 IHSS SW-1, 133.1, 133.2 and 133.4	

Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY03 Notification No. 03-02, IHSS Group SW-1, IHSSs 133.1, 133.2, 133.4 and PAC SW-1702, November 2002. The PAC SW-1 consists of IHSSs 133.3, 133.5, 133.6 and SW-1701.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000562.pdf	2 MB
BZ-A-000563	11/1/2002
Draft ER RSOP for Routine Soil Remediation No. 03-03, IHSS 111.1, Trench T-4	
Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY03 Notification No. 03-03, IHSS 111.1, Trench T-4, November 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000563.pdf	903 KB
BZ-A-000564	10/30/2002
Submits Draft ER RSOP for Routine Soil Remediation No. 03-03 and 03-02	
Submits the attached [000565 and 000566] Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation Notification No. 03-03 IHSS 111.1, Trench T-4 and Notification No. 03-02 IHSS Group SW-1 IHSSs 133.1, 133.2, 133.4 and PAC SW-1702.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000564.PDF	66 KB
BZ-A-000565	10/1/2002
Draft ER RSOP for Routine Soil Remediation No. 03-03, IHSS 111.1, Trench T-4	
Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation Notification No. 03-03 IHSS 111.1, Trench T-4, October 2002. The purpose of this notification is to invoke the ER RSOP for the western sixty feet of IHSS 111.1 to remove a portion of soil commonly referred to as the "burrito".	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000565.pdf	802 KB
BZ-A-000566	10/1/2002
Draft ER RSOP for Routine Soil Remediation No. 03-02, IHSS Group SW-1	
Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation Notification No. 03-02 IHSS Group SW-1, IHSSs 133.1, 133.2, 133.4 and PAC SW-1702, October 2002. The PAC SW-1 consists of IHSSs 133.3, 133.5, 133.6 and SW-1701.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000566.pdf	2 MB
BZ-A-000567	10/24/2002
903 Pad Remediation emission permit application APEN	

The 903 Pad Remediation project is subject to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and is exempt from permit requirements per Rocky Flats Cleanup Agreement (RFCA). However the filling of Air Pollution Emission Notice (APEN) is required since uncontrolled emissions of PM10 are greater than one ton per year in a non-attainment area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000567.PDF 138 KB

BZ-A-000568

11/12/2002

Confirmation sample locations at 903 Pad

Purpose of Contact: Confirmation samples are required to be collected from the center of each excavated grid cell during the 903 Pad remediation action. Because of the difficulty of surveying within and active tent, the location of each confirmation sample will be determined at the time of sample collection and is expected to be roughly in the center of each excavated cell.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000568.PDF 62 KB

BZ-A-000569

11/21/2002

Forwards ER RSOP for Routine Soil Remediation Notification No. 03-01

The US Department of Energy (DOE) forwards the Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation Fiscal Year 2003 Notification No. 03-01 Individual Hazardous Substance Site IHSS 111.4, Trench 7. The purpose of this notification is to invoke the RSOP for Group NE-2.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000569.PDF 87 KB

BZ-A-000570

11/21/2002

Forwards the ER RSOP Notification No. 03-02, IHSS Group SW-1

The US Department of Energy (DOE) forwards the Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Fiscal Year 2003, Notification No. 03-02, IHSS Group SW-1 (ash pits).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000570.PDF 82 KB

BZ-A-000571

11/18/2002

Forwards Draft ER RSOP Notification 03-03, IHSS 111.1, Trench 4

The US Department of Energy (DOE) forwards the Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Fiscal Year 2003 Notification No. 03-03, IHSS 111.1, Trench 4 dated November 2002.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000571.PDF 89 KB

BZ-A-000572

12/16/2002

Submits the Characterization Data Summary for IHSS Group 900-2

Submits the attached [000573] Characterization Data Summary for Individual Hazardous Substance Site IHSS Group 900-2 dated December 2002. IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and the IHSS 154, Pallet Burn Site.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000572.PDF	70 KB
BZ-A-000573	12/1/2002
Characterization Data Summary for IHSS Group 900-2	
Characterization Data Summary for Individual Hazardous Substance Site IHSS Group 900-2 dated December 2002. IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and the IHSS 154, Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000573.pdf	8 MB
BZ-A-000574	12/23/2002
Forwards Characterization Data Summary for IHSS Group 900-2	
Forwards the attached [000573] Characterization Data Summary for Individual Hazardous Substance Site IHSS Group 900-2 dated December 2002. IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and the IHSS 154, Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000574.PDF	77 KB
BZ-A-000575	12/5/2002
Discusses the RLCP for 308B and 308D Pump Houses	
Purpose of Contact: Discusses the Reconnaissance Level Characterization Plan (RLCP) for the 308B and 308D Pump Houses that pump Interceptor Trench System (ITS) water to the 308 Modular Storage Tanks (MST).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000575.PDF	54 KB
BZ-A-000576	2/5/2003
Forwards RLCR for Buildings 308B and 308D	
Forwards the attached [000577] Reconnaissance Level Characterization Report (RLCR) for Area 2, Group 1a Closure Project Buildings 308B and 308D, Revision 0 dated January 21, 2003 Type 1 facilities for approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000576.PDF	85 KB
BZ-A-000577	1/21/2003
RLCR for Buildings 308B and 308D	
Reconnaissance Level Characterization Report (RLCR) for Area 2, Group 1a Closure Project Buildings 308B and 308D, Revision 0 January 21, 2003.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000577.PDF	2 MB
BZ-A-000578	7/1/1997
STP Upgrades, Phase III Stockpiled Soil from OU09 Sample and Analysis Report	

Sewage Treatment Plant (STP) Upgrades, Phade III Stockpiled Soil from Operable Unit OU09 Sample and Analysis Report, July 1997.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000578.PDF 603 KB

BZ-A-000579

3/11/1996

1995 Year End Dam Inspection and Monitoring Report

1995 Year End Dam Inspection and Monitoring Report - Visual inspections were conducted in the spring and fall/winter of 1995 of the twelve earthen dams located at the Rocky Flats Environmental Technology Site (RFETS/Site) by Rocky Flats Operating Contractor (RFOC) dam inspection personnel, currently under Rocky Mountain Remediation Services, L.L.C. (RMRS). The purpose of these inspections was to identify apparent deficiencies associated with the dams that may have occurred throughout the year, to evaluate the completion of recommended work since previous inspections, and to re-visit previous recommendations of various entities.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000579.PDF 8 MB

BZ-A-000580

3/27/2003

RLCR for Buildings 308B and 308D - Concurrence

The Colorado Department of Public Health and Environment (CDPHE) has reviewed the Reconnaissance Level Characterization Report (RLCR) for Buildings 308B and 308D, Revision 0 dated January 21, 2003 and concurs with the determination that these buildings are Type 1 Facilities.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000580.PDF 109 KB

BZ-A-000581

5/21/2002

Type 1 Facility Closeout Report: C130, Shed (Sanitary Disposal: Erie Landfill)

Type 1 Facility Closeout Report: C130, Shed. Includes Release Evaluation Form PRE No. 011015-00439-001. Sanitary Disposal: Front Range Landfill, Erie, Colorado; Miscellaneous waste including wood, roofing material and metal.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000581.pdf 296 KB

BZ-A-000582

10/31/2002

Type 1 Facility Closeout Report: Buildings 280, 282, and 284

Type 1 Facility Closeout Report: Buildings 280, 282, and 284 - Landfill Support Facility. These single story metal-frame buildings on concrete foundation and floor, were demolished September 9, 2002, and disposed of as sanitary waste. The Disposal Site is the Front Range Landfill located in Erie, Colorado. Site restoration will be performed during the final land configuration for Rocky Flats. A letter from the Colorado Department of Public Health and Environment (CDPHE), dated October 15, 2002, approves the Final Closure Plan for the New Sanitary Landfill at RFETS, which will be completed at a point in time in the future. CDPHE concurrence to the Reconnaissance Level Characterization Report (RLCR) for Group-D Buildings, dated August 21, 2001, is enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000582.PDF 231 KB

BZ-A-000583

1/22/2003

Submits RLCR for Buildings 308B and 308D	
Submits the attached [000577] Reconnaissance Level Characterization Report (RLCR) Area 2, Group 1a Closure Project Revision 0 dated January 21, 2003 for review and approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000583.PDF	88 KB
BZ-A-000584	4/8/2003
NFAA for Ash Pits and Trench 4 and 7	
Submits the enclosed No Further Accelerated Action (NFAA) determinations for NE-111.4 (Trench 7), NE-111.1 (Trench 4), SW-113.1, SW-133.2, SW-113.4 and SW-1702 (Ash Pits). Theses are to be forwarded the agencies for approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000584.pdf	2 MB
BZ-A-000585	4/10/2003
Requests approval for NFAA determination for Trench 7 and 4 the Ash Pits	
Requests approval for No Further Accelerated Action (NFAA) determination for Trench 7 and 4 the Ash Pits from the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) to close the process.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000585.PDF	93 KB
BZ-A-000586	4/29/2003
Discusses the issue of sampling at the 903 Pad, S2	
Discusses the issue of sampling at the 903 Pad, S2. The excavation was completed on April 16, 2003 at cell S2 and the confirmation sample was collected with a field screening reading of 3.1 pCi/g.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000586.PDF	47 KB
BZ-A-000587	4/30/2003
Discusses excavation of soil at 903 Pad	
Purpose of Contact: Discusses the excavation of soil at Cell R4 at the 903 Pad.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000587.PDF	64 KB
BZ-A-000588	4/29/2003
Discusses the issue of sampling at the 903 Pad, S2	
Purpose of Contact: Discusses the issue of sampling at the 903 Pad, S2. The excavation was completed on April 16, 2003 at Cell S2 and the confirmation sample was collected with a field screening reading of 3.1 pCi/g.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000588.PDF	72 KB
BZ-A-000589	5/6/2003

Water-quality monitoring results located at SW093 North Walnut Creek	
Forwards the enclosed water-quality monitoring results at the Rocky Flats Cleanup Agreement (RFCA) Point of Evaluation (POE) surface-water monitoring station location SW093. This is located in North Walnut Creek upstream of Pond A-1 in the Walnut Creek basin.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000589.PDF	217 KB
BZ-A-000590	
9/23/1996	
Appendix E Analytical Results Trenches T-3 and T-4 Source Removal Project	
Appendix E - Analytical Results of the Trenches T-3 and T-4 Source Removal Project, September 23, 1996	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000590.pdf	36 MB
BZ-A-000591	
5/29/2003	
Discusses the remediation plans for the 903 Pad Lip Area	
Contact Record: Discusses the remediation plans for the 903 Pad Lip Area and the air monitoring network that will be set up during the demolition phase.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000591.PDF	73 KB
BZ-A-000592	
3/13/2003	
NFAA Justification for Trench T-7	
No Further Accelerated Action (NFAA) Justification for Trench T-7, Individual Hazardous Substance Site IHSS 111.4 (NE-111.4).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000592.PDF	363 KB
BZ-A-000593	
5/21/2003	
(Final) NFAA Justification for Trench T-7	
(Final) No Further Accelerated Action (NFAA) Justification for Trench T-7, Potential Area of Concern (PAC) NE-111.4, Individual Hazardous Substance Site IHSS 111.4.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000593.pdf	636 KB
BZ-A-000594	
5/21/2003	
(Final) NFAA Justification for Trench T-3 and T-4	
(Final) No Further Accelerated Action (NFAA) Justification for Trench T-3 and T-4, Potential Area of Concern (PAC) NE-111.1, Individual Hazardous Substance Site IHSS 111.1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000594.pdf	438 KB
BZ-A-000595	
6/12/2003	
Submits/Forwards the Draft Data Summary Report for IHSS Group NE/NW	

<p>RISS submits / forwards the attached [000596] Draft Data Summary Report for Individual Hazardous Substance Site IHSS Group NE/NW. In accordance with the document process agreed upon in the Rocky Flats Cleanup Agreement (RFCA, 1996) Project Coordinator's meeting on February 27, 2003, Kaiser-Hill is submitting this Data Summary Report for Regulator review. The report includes comparisons with the Wildlife Refuge Worker and Ecological Receptor action levels.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000595.PDF	91 KB
BZ-A-000596	6/1/2003
Draft Data Summary Report for IHSS Group NE/NW	
<p>Draft Data Summary Report for Individual Hazardous Substance Site IHSS Group NE/NW. This Data Summary Report summarizes characterization activities conducted at IHSS Group NE/NW located in the Buffer Zone. IHSS Group NE/NW information consists of historical knowledge and 55 additional sampling locations as described in BZSAP Addendum BZ-02-01. No Further Accelerated Action (NFAA) for this IHSS Group is warranted based on the enclosed Subsurface Soil Risk Screen (SSRS).</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000596.pdf	8 MB
BZ-A-000598	6/16/2003
Submits the enclosed NEPA documentation for RISS	
<p>Remediation, Industrial Building D&D and Site Services Project, RISS submits National Environmental Policy Act (NEPA) documentation. Enclosed is a draft Categorical Exclusion (CX) for the removal of concrete washout, remnants of the former incinerator building, and associated debris. Kaiser-Hill NEPA staff recommends that this project be categorically excluded from further NEPA documentation requirements.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000598.PDF	257 KB
BZ-A-000599	6/17/2003
Re Final Closure of the "New Sanitary Landfill"	
<p>This is to provide notification that in accordance with Colorado Department of Public Health and Environment (CDPHE) regulations, 6 CCR 1007-2, part 258, Section 3.5.8, the Rocky Flats Environmental Technology Site (RFETS/Site) has completed final closure of the "New Sanitary Landfill," that was never used. The landfill cell was located in the northwest quadrant of the Site. This letter is to certify that the closure activities were conducted consistent with the approved Closure Plan for the New Sanitary Landfill, dated October 9, 2002. The closure consisted of removing/recycling the tires that held the UV liner in place, removing the entire synthetic liner from the bottom edge of the cell to the top of the cell, and auguring the clay liners and filling them with sand to render them incapable of retaining water. Additionally, a structural material within three feet of the existing grade was removed, and pipelines below three feet were grouted to disrupt a flow path. The areas were subsequently backfilled with the dirt that had been bermed in the area and re-seeded. The Site will implement post-closure requirements of monitoring the area for subsidence, erosion, seeding quality, and ponding over the next two years.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000599.PDF	117 KB
BZ-A-000600	5/14/2003
CDPHE comment re Contact Record re Ash Pits and T-7	
<p>Colorado Department of Public Health and Environment (CDPHE) comments regarding an earlier Contact Record concerning the Ash Pits and Trench 7 (T-7).</p>	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000600.PDF	46 KB
BZ-A-000602	6/19/2003
Forwards Final Data Summary Report for IHSS Group 900-2	
Forwards/submits the attached [000603] Final Data Summary Report for IHSS Group 900-2 dated June 2003 for approval. Individual Hazardous Substance Site IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and IHSS 154, Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000602.PDF	77 KB
BZ-A-000603	6/1/2003
Data Summary Report for IHSS Group 900-2	
Data Summary Report for IHSS Group 900-2, June 2003 - Individual Hazardous Substance Site IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and IHSS 154, Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000603.pdf	10 MB
BZ-A-000604	6/25/2003
Forwards ER RSOP Notification No. 03-07 IHSS Group 900-11 IHSS 155	
Forwards/submits the attached [000605] Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY03 Notification No. 03-07 IHSS Group 900-11, IHSS 155 - 903 Inner Lip Area dated June 2003 for review.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000604.PDF	74 KB
BZ-A-000605	6/1/2003
ER RSOP Notification No. 03-07 IHSS Group 900-11 IHSS 155	
Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY03 Notification No. 03-07 IHSS Group 900-11, IHSS 155 - 903 Inner Lip Area, June 2003. This Individual Hazardous Substance Site IHSS Group 900-11 consists of IHSS 112, 903 Drum Storage area, IHSS 140 Hazardous Disposal Area, IHSS 155 903 Lip Area and Potential Area of Concern (PAC) SE-1602 the East Firing Range.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000605.PDF	2 MB
BZ-A-000606	6/29/2003
Discusses approval letter for NFAA Justification for Ash Pits, Trenches T-3, T-4 and T-7	
Discusses the approval letter from the US Environmental Protection Agency (EPA) on June 12, 2003 regarding the No Further Accelerated Action (NFAA) Justification for Ash Pits and Trenches T-3, T-4 and T-7. The US Department of Energy (DOE) is requesting clarification regarding the ecological risk.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000606.PDF	173 KB
BZ-A-000607	7/15/2003
Discusses issues regarding soils at 903 Pad	

Contact Record: Discusses the last rows of cells at the southern edge of the 903 Pad and a conformation of the samples that will be taken of native soil.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000607.PDF	261 KB
BZ-A-000608	1/14/2000
Discusses NEPA Determination to perform repairs at Dam B-4 spillway	
Discusses the National Environmental Policy Act (NEPA) Determination to perform repairs at Dam B-4 spillway.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000608.PDF	76 KB
BZ-A-000609	7/25/2003
Forwards the Data Summary Report for IHSS NE/NW	
Forwards/submits the attached [000610] Data Summary Report (DSR), IHSS Group NE/NW dated July 2003 for approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000609.PDF	89 KB
BZ-A-000610	7/1/2003
Data Summary Report for IHSS NE/NW	
Data Summary Report (DSR), IHSS Group NE/NW, July 2003 - The Individual Hazardous Substance Site IHSS Group NE/NW consists of IHSSs 216.2 and 216.3, the East Spray Fields and Potential Area of Concern (PAC) NE-1407, NE-1412 and NE-1413, which includes the OU02 Treatment Facility and Trenches 12 and 13. The IHSS 174a Property Utilization and Disposal (PU&D) Yard - Drum Storage Area is also included in the IHSS Group NE/NW.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000610.PDF	10 MB
BZ-A-000611	7/24/2003
Forwards the RLCR for Building 903A2	
Forwards the Reconnaissance Level Characterization Report (RLCR) for Building 903A2 Type 1 Facility for concurrence.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000611.PDF	85 KB
BZ-A-000612	7/30/2003
RLCR for Building 903A2 - Concurrence	
The Colorado Department of Public Health and Environment (CDPHE) concurs with the Reconnaissance Level Characterization Report (RLCR) for Building 903A2, Revision 0 dated June 18, 2003 and the Type 1 designation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000612.PDF	104 KB
BZ-A-000613	8/7/2003

Forwards/Submits NFAA Justification East Trenches	
Remediation, Industrial Building D&D and Site Services Project, RISS forwards / submits the attached [000614] No Further Accelerated Action (NFAA) for the East Trenches. A meeting date of August 18, 2003 is set to resolve any comments and finalize the text. Though Trenches T-3 through T-13 comprise the East Trenches as a whole, trenches T-5, T-6, T-8, T-9, T-10, and T-11 are collectively referred to - for the sake of this NFAA document - as the "East Trenches." (PAC Reference numbers NE-111.2, NE-111.3, NE-111.5, NE-111.6, NE-111.7, and NE-111.8)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000613.PDF	78 KB
BZ-A-000614	10/10/1900
NFAA Justification for the East Trenches	
No Further Accelerated Action (NFAA) for the East Trenches. Though Trenches T-3 through T-13 comprise the East Trenches as a whole, trenches T-5, T-6, T-8, T-9, T-10, and T-11 are collectively referred to - for the sake of this NFAA document - as the "East Trenches." (PAC Reference numbers NE-111.2, NE-111.3, NE-111.5, NE-111.6, NE-111.7, and NE-111.8) The trenches were used during the period from July 29, 1954, through August 14, 1968, although the exact dates of operations are unknown. To date, no documentation has been found that records the timeframe during which any particular trench was receiving waste. Similarly, none of the Historical Release Report (HRR) interviewees were knowledgeable on dates of operation of individual trenches. These trenches were used primarily for the disposal of sanitary wastewater treatment plant sludge.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000614.PDF	2 MB
BZ-A-000615	8/6/2003
Data Summary Report for IHSS Group 900-2 - page correction	
Data Summary Report for IHSS Group 900-2, June 2003 - Individual Hazardous Substance Site IHSS Group 900-2 consists of IHSS 153, Oil Burn Pit No. 2 and IHSS 154, Pallet Burn Site. This record replaces page 2 of the Data Summary. This page replacement reflects clarification as follows: (1) IHSS has not impacted the Mound and East Trenches Plumes; and (2) Ecological Receptor exceedance will be addressed as part of the CRA.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000615.PDF	117 KB
BZ-A-000616	8/6/2003
Re RSOP Notification 03-09, IHSS 133.5 - Incinerator	
The Environmental Restoration Rocky Flats Cleanup Agreement Standard Operating Protocol for Routine Soil Remediation, Fiscal Year 2003 Notification 03-09, Individual Hazardous Substance Site IHSS 133.5, Incinerator, was sent to the US Environmental Protection Agency (EPA) recently for verification and subsequent approval. Copies of the RSOP Notification were also sent to the Colorado Department of Public Health and Environment (CDPHE). Previous comments have been incorporated as discussed. The projected schedule for remediation of IHSS 133.5 is in the fourth quarter of FY03.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000616.PDF	99 KB
BZ-A-000617	8/11/2003
Re DSR IHSS Group NE/NW sent to EPA for verification / approval	

The Data Summary Report, Individual Hazardous Substance Site IHSS Group NE/NW, was provided to US Environmental Protection Agency (EPA) staff for verification and subsequent approval. Copies were also provided to the Colorado Department of Public Health and Environment (CDPHE). Previous comments have been incorporated as discussed. The US Department of Energy, Rocky Flats Field Office (DOE/RFFO) requests approval at this time, and approval of this Data Summary Report constitutes Regulatory Agency concurrence of the IHSS Group as a No Further Accelerated Action.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000617.PDF 94 KB

BZ-A-000618 7/18/2003

Submits the RLCR for Building 903A2 dated June 18, 2003

Submits the attached [000619] Building 903A2 Reconnaissance Level Characterization Report, dated June 18, 2003. Based upon this RLCR and subject to concurrence by the Colorado Department of Public Health and Environment (CDPHE), Building 903A2 is considered a RFCA Type 1 facility and is acceptable for demolition or sale.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000618.PDF 221 KB

BZ-A-000619 6/18/2003

RLCR for Building 903A2 dated June 18, 2003

Building 903A2 Reconnaissance Level Characterization Report, dated June 18, 2003. This RLCR characterized the physical, chemical and radiological hazards associated with this facility, summarizes the characterization activities, defines the Data Quality Objectives developed for this characterization, and presents the data quality assessment, verification and validation of results.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000619.PDF 1 MB

BZ-A-000620 8/19/2003

Forwards the Data Summary Report for IHSS NE/NW

Forwards/submits the attached [000621] Data Summary Report (DSR), IHSS Group NE/NW dated August 2003 for approval. The latest comments have been incorporated.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000620.PDF 81 KB

BZ-A-000621 8/1/2003

Data Summary Report for IHSS NE/NW

Data Summary Report (DSR), IHSS Group NE/NW, August 2003 - The Individual Hazardous Substance Site IHSS Group NE/NW consists of IHSSs 216.2 and 216.3, the East Spray Fields and Potential Area of Concern (PAC) NE-1407, NE-1412 and NE-1413, which includes the OU02 Treatment Facility and Trenches 12 and 13. The IHSS 174a Property Utilization and Disposal (PU&D) Yard - Drum Storage Area is also included in the IHSS Group NE/NW.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000621.PDF 12 MB

BZ-A-000622 9/4/2003

Provides NFAA Justification for East Trenches

Forwards/Submits the enclosed No Further Accelerated Action (NFAA) Justification for the East Trenches PAC Reference Numbers: NE-111.2, NE-111.3, NE-111.5, NE-111.6A, NE-111.6B, NE-111.7, and NE-111.8 for verification and subsequent approval.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000622.PDF 2 MB

BZ-A-000623

9/10/2003

Forwards ER RSOP for Routine Soil Notification 03-11 IHSS Group 900-11

Forwards/submits the attached [000624] Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Routine Soil Remediation Draft FY03 Notification No. 03-11 IHSS Group 900-11, PAC SE-1602 dated September 2003 for review.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000623.PDF 87 KB

BZ-A-000624

9/1/2003

ER RSOP for Routine Soil Notification 03-11 IHSS Group 900-11, PAC SE-1602

Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Routine Soil Remediation Draft FY03 Notification No. 03-11 IHSS Group 900-11, PAC SE-1602, September 2003. Individual Hazardous Substance Site IHSS Group 900-11, Potential Area of Concern (PAC) SE-1602 includes the East Firing Range-North Target Area and East Firing Range-South Target Area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000624.PDF 988 KB

BZ-A-000625

9/12/2003

Forwards RLCR for Buildings 952, T974A, 988, 988A, 990, 990A and 995

Forwards the Reconnaissance Level Characterization Report (RLCR) for Buildings 952, T974A, 988, 988A, 990, 990A and 995 for concurrence. These buildings have been characterized as Type 1 facilities.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000625.PDF 80 KB

BZ-A-000626

9/17/2003

Discusses the planned removal of line power to the air sampler D-3 903 Lip Area

Contact Record: Discusses the planned removal of line power to the air sampler D-3 as required to support remediation on the 903 Lip Area, allowing safe operation of heavy equipment in the vicinity of the power line.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000626.PDF 174 KB

BZ-A-000627

9/16/2003

Discusses OPWL sampling locations near Pond B-2

Contact Record: Discusses the two Original Process Waste Lines (OPWL) sampling locations listed in the Industrial Area Sampling and Analysis Plan (IASAP) Addendum No. IA-03-11 for IHSS Group 000-2, one which is on top of the dam and the other is within the rip rap cover of the east face of B-1 dam and near the water level of the B-2 pond.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000627.PDF 89 KB

BZ-A-000628	9/9/2003
Provide a contained-out determination for cerain wastes being generated as part of 903 Pad	
The Rocky Flats Environmental Technology Site (RFETS/Site) is requesting the Colorado Department of Public Health and Environment (CDPHE) to provide a contained-out determination for cerain wastes being generated as part of the 903 Pad Waste Removal Project being conducted pursuant to the Rocky Flats Cleanup Agreement (RFCA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000628.PDF	268 KB

BZ-A-000629	9/18/2003
FWS concurrence re Incinerator Project and Preble's Mouse	
The US Fish and Wildlife Service (FWS) received US Department of Energy, Rocky Flats Field Office (DOE/RFFO) letter of August 12, 2003, regarding the Buffer Zone Concrete Removal Project (a.k.a. the Incinerator Project). In a letter dated April 28, 2003, the Service concurred that the project was "not likely to adversely affect" the federally-listed Preble's Meadow Mouse. Based on project delays and changes, the Service requested re-initiation of consultation for this project in a letter dated August 5, 2003. RFFO responded by updating changes to the project, and requested that the FWS concur with the determination that the project as currently planned is not likely to adversely affect the Preble's. After reviewing the information presented in the RFFO letter, the Service concurs that the project as currently described may affect, but is not likely to adversely affect the Preble's. However, the Service requests that they be kept appraised of any addition modification of project plans and completion of proposed activities, including revegetation of the project site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000629.PDF	77 KB

BZ-A-000630	9/29/2003
Forwards/submits the Final Data Summary Report for IHSS Group NE/NW	
Forwards/submits the Final Data Summary Report for IHSS Group NE/NW [000631] as approved by the US Environmental Protection Agency (EPA). All comments have been incorporated as discussed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000630.PDF	77 KB

BZ-A-000631	9/1/2003
Final Data Summary Report for IHSS Group NE/NW	
Final Data Summary Report for IHSS Group NE/NW. This DSR summarizes characterization activities conducted at Individual Hazardous Substance Site IHSS Group NE/NW located in the Buffer Zone. Characterization activities were conducted in accordance with the Buffer Zone Sampling and Analysis Plan and BZSAP Addendum BZ-02-01.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000631.PDF	14 MB

BZ-A-000632	10/2/2003
Forwards/submits the Draft BZSAP BZ-04-01 for IHSS Group 900-11	
Forwards/submits the attached [000633] Draft Buffer Zone Sampling and Analysis Plan (BZSAP) FY04 Addendum BZ-04-01 Individual Hazardous Substance Site IHSS Group 900-11. A meeting will be scheduled the week of October 13 to resolve comments and finalize the text.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000632.PDF	77 KB
BZ-A-000633	10/1/2003
Draft BZSAP BZ-04-01 for IHSS Group 900-11	
Draft Buffer Zone Sampling and Analysis Plan (BZSAP) FY04 Addendum BZ-04-01 Individual Hazardous Substance Site IHSS Group 900-11. IHSS Group 900-11 consists of the following IHSS sites and Potential Areas of Concern (PAC): IHSS 112, Pad Drum Storage Area; IHSS 155, 903 Pad Lip Area; IHSS 140, Hazardous Disposal Area (Reactive Metal Destruction Site); IHSS 183, Gas Detoxification Area; PAC SE-1602, East Firing Range; NE-1412, Trench T-12 (East Trenches); and NE-1413, Trench T-13 (East Trenches).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000633.PDF	881 KB
BZ-A-000634	10/7/2003
EPA approval of Characterization Data Summary IHSS Group NE/NW	
After reviewing the revisions that have been made to the Characterization Data Summary IHSS Group NE/NW, EPA is satisfied that all necessary changes have been made to the document to address previous concerns. Therefore, EPA approves the latest version of this document that was transmitted electronically on September 29, 2003.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000634.PDF	94 KB
BZ-A-000635	10/27/2003
Forwards: The Draft BZ FY03 Addendum BZ-04-02 for IHSS Group 900-12 East Trenches	
Forwards/submits the attached [BZ-A-000636] Draft Buffer Zone Fiscal Year 03 Addendum BZ-04-02 for Individual Hazardous Substance Site IHSS Group 900-12, East Trenches for review. The Colorado Department of Public Health and Environment (CDPHE) will schedule a meeting the week of November 10, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000635.PDF	64 KB
BZ-A-000636	10/27/2003
Draft BZSAP Addendum BZ-04-02 IHSS Group 900-12, East Trenches T-6, T-8, T-9a, T-9b IHSSs 111.3, 111.5, 111.6a 111.6b	
This Buffer Zone (BZ) Sampling and Analysis Plan (SAP) (BZSAP) Addendum BZ-04-02 includes Individual Hazardous Substance Site IHSS Group 900.12, East Trenches T-6, T-8, T-9a, and T-9b IHSSs Group 111.3, 111.5, 111.6a, and 111.6b specific information, sampling locations, and Potential Contaminants of Concern (PCOCs) for IHSS propose for characterization during Fiscal Year (FY) 04. This BZSAP Addendum is a supplement to the BZSAP US Department of Energy (DOE 2002a) and includes data and proposed sampling locations for portions of IHSS Group 900-12.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000636.PDF	993 KB
BZ-A-000637	11/12/2003
Permission to backfill at the Incinerator (SW-1)	

Purpose of Contact: As described in the October 22 Contact Record, the decision to backfill at the Incinerator will be made based on the results of the confirmation sample gamma spectroscopy and metals results. These results were received and are below the Wildlife Refuge Worker (WRW) action levels. Based on the backfill is permitted.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000637.PDF 65 KB

BZ-A-000638

11/19/2000

Project: Preble's Mouse

In 1999, a bypass extension pipeline was installed in the Walnut Creek drainage to prevent City of Broomfield water in the McKay Ditch from co-mingling water released from the Industrial Area (IA) at the Rocky Flats Environmental Technology Site (RFETS/Site) in Walnut Creek. Because portions of the project impacted the Preble's meadow jumping mouse (Preble's mouse; *Zapus hudsonius preblei*), a Biological Assessment was written for the project. The USFWS issued a Biological Opinion on February 11, 1999 that stipulated vegetation monitoring and written reporting requirements for the plantings that were part of the mitigation for impacts to the Preble's mouse. This report summarizes the results of the 2001, 2002 and 2003 vegetation monitoring conducted by the Biological Opinion issued by the U.S. US Fish and Wildlife Service (FWS). Based on conversations with USFWS (April 3, 2003) this report serves as the final monitoring report required by the Biological Opinion.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000638.PDF 995 KB

BZ-A-000639

11/14/2003

Requests approval of IHSS Group 900-12 Draft BZSAP Addendum

The US Department of Energy, Rocky Flats Field Office (DOE/RFFO) is requesting approval of the US Environmental Protection Agency (EPA), Region VIII, on the Draft Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-02 Individual Hazardous Substance Site IHSS Group 900-12, East Trenches, Trenches T-6, T-8, T-9a and t-9b dated October 2003. Comments have been addressed and will be incorporated in the final text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000639.PDF 38 KB

BZ-A-000640

10/15/2003

Re Data Summary Report for IHSS NE/NW

Data Summary Report (DSR) for Individual Hazardous Substance Site IHSS Group NE/NW dated September 2003. All comments have been incorporated as discussed. The US Department of Energy (DOE) acknowledges receipt of approval on October 7, 2003. Copies of this report have also been transmitted to the Colorado Department of Public Health and Environment (CDPHE).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000640.PDF 90 KB

BZ-A-000641

11/19/2003

Re: The Final BZ SAP Addendum BZ-04-02 for IHSS Group 900-12, East Trenches

Forwards/submits the attached [000642] Final Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-02 for Individual Hazardous Substance Site IHSS Group 900-12, East Trenches. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on November 17, 2003.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000641.PDF 76 KB

BZ-A-000642	11/19/2003
Final BZ SAP Addendum BZ-04-02 IHSS Group 900-12, East Trenches T-6, T-8, T-9,a ,T-9b IHSSs 111.3, 111.5 111.6a, 111.6b	
This Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-02, is a supplement to the BZSAP (DOE 2002a) and included data and proposed sampling locations for portions of Individual Hazardous Substance Site IHSS Group 900-12.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000642.PDF	1 MB
BZ-A-000643	11/19/2003
APEN, For 903 Lip Area Exvation Project at the RFETS	
Enclosed please find an Air Pollution Emission Notice (APEN), a check for the associated ASPEN fees, and supporting technical documentation for the 903 Lip Area Excavation Project. An APEN is being submitted to quantify particulate emission from the project during excavation activities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-A-000643.pdf	2 MB
BZ-A-000644	12/10/2003
Re: Application for 903 Lip Area Excavation	
The Colorado Air Pollution Control Division has received and logged in construction permit application for the above referenced source. This source has been assigned permit number 03JE1099.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000644.PDF	111 KB
BZ-A-000645	12/10/2003
Forwards: The Draft Closeout Report for IHSS Group SW-I, Incinerator IHSS 133.5	
Forwards/submits Enclosed are attached [BZ-A-000645] of the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group SW-1, incinerator for review. A meeting will be scheduled the week of December 22, 2003, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000645.PDF	74 KB
BZ-A-000646	12/10/2003
RE: Draft Closeout Report for IHSS Group SW-1	

This Closeout report summarizes the accelerated action activities, including characterization, conducted at Individual Hazardous Substance Site (IHSSs) 133.5 and 133.6, which are part of IHSS Group SW-1 at the Rocky Flats Environmental Technology Site (RFETS/Site) in Golden, Colorado. IHSS Group SW-1 consists of the following IHSS and Potential Area of Concern (PAC) sites:

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000646.PDF	11 MB
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BZ-A-000647	12/11/2003
Forwards: The final BZ SAP Addendum BZ-04-01 for IHSS Group 900-11, Inner Lip Area	
Forwards/submits the attached (BZ-A-000648) Final Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-01 for Individual Hazardous Substance Site IHSS Group 900-11, Inner Lip Area. Previous comments have been incorporated and the documents was approved by Colorado Department of Public Health and Environment (CDPHE) on December 11, 2003.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000647.PDF	78 KB

BZ-A-000648	12/11/2003
BZ SAP FY04 Addendum BZ-04-01 IHSS Group 900-11 IHSS 155 Inner Lip Area	
This Buffer Zone Sampling and Analysis Plan (BZSAP) (DOE 2002) Addendum BZ-04-01 includes Individual Hazardous Substance Site (IHSS) Group 900-11, Lip Area-specific information, sampling locations, and Potential Contaminants of Concern (PCOCs) for IHSS 155 (Inner Lip Area) proposed for characterization during Fiscal Year (FY) 04. This BZSAP Addendum is a supplement to the BZSAP (DOE 2002).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000648.PDF	942 KB

BZ-A-000649	12/18/2003
Forwards: The Closeout Report for IHSS Group SW-1 and IHSS 133.5	
Forwards/submits the attached [000650] Closeout Report for Individual Hazardous Substance Site IHSS Group SW-1, Incinerator. The document and No Further Accelerated Action (NFAA) recommendation was approved by US Environmental Protection Agency (EPA) on December 18, 2003.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000649.PDF	77 KB

BZ-A-000650	12/18/2003
Closeout Report for IHSS Group SW-1	
This Closeout Report summarizes the a Accelerated Access Activities (AAA), including characterization, conducted at Individual Hazardous Substance Site (IHSSs) 133.5 AND 133.6, which are part of IHSS Group SW-1 at the Rocky Flats Environmental Technology Site (RFETS/Site) in Golden, Colorado. IHSS Group SW-1 consists of IHSS and Personnel Access Control (PAC) sites.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000650.PDF	11 MB

BZ-A-000651	12/18/2003
Forwards: The Draft BZ SAP FY03 Addendum BZ-04-11 for IHSS Group 900-11 SE-1602,	

Forwards/submits attached [000652] copies of the Draft Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year FY04 Addendum BZ-04-11 for Individual Hazardous Substance Site IHSS Group 900-11 SE-1602, East Firing Range for review. A meeting will be schedule the week of January 5, to resolve comments and finalize the text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000651.PDF 85 KB

BZ-A-000652

12/18/2003

Draft BZ SAP FY04 Addendum BZ-04-11 IHSS 900-11, PAC SE-1602 East Firing Range

This Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-11 Individual Hazardous Substance Site (IHSS) Group-specific information, sampling locations, and Potential Contaminants of Concern (PCOCs) for IHSSs and Potential Areas of Concern (PACs) proposed for characterization during Fiscal Year (FY) 04. This BZSAP Addendum is a supplement to the BZSAP (DOE 2002) and includes data proposed sampling locations for PAC SE-1602, which is part of the IHSS Group 900-11. IHSS Group 900-11 also contains IHSS-112 (903 Pad), IHSS 140 (Hazardous Disposal Area), and IHSS 155 (903 Lip Area), but these IHSSs are not addressed in this Addendum.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000652.PDF 1 MB

BZ-A-000653

1/8/2004

The Draft BZ SAP FY04 Addendum BZ-04-11, IHSS Group 900-11, PAC SE-1602

The US Department of Energy, Rocky Flats Office (DOE/RFO) is requesting approval from the US RFFO, Region VIII, on the Draft Buffer Zone Sampling and Analysis Plan (BZSAP), Fiscal Year (FY04) Addendum BZ-04-11, Individual Hazardous Substance Site IHSS Group 900-11, Potential Area of Concern (PAC) SE-1602 (East Firing Range) dated December 2003. Comments were addressed in the Documents Meeting on Thursday, January 08, 2004, and will be incorporated in the final text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000653.PDF 46 KB

BZ-A-000654

1/21/2004

Forwards: Final FY04 BZ SAP Addendum BZ-04-11 for IHSS Group 900-11, PAC SE-1602

Forwards/submits: The attached [000655] Final Fiscal Year (FY04) Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-11 for Individual Hazardous Substance Site IHSS Group 900-1, Potential Area of Concern (PAC) SE-1602, East Firing Range for Remediation, Industrial Building D&D and Site Services Project, RISS. Previous comments have been incorporated and the document was approved by the US Environmental Protection Agency (EPA) on January 14, 2004.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000654.PDF 80 KB

BZ-A-000655

1/21/2004

BZ SAP FY04 Addendum BZ-04-11 IHSS Group 900-11,PAC SE-1602

This Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-11 includes Individual Hazardous Substance Site IHSS Group-specific information, sampling locations, and Potential Areas of Concern (PACs) proposed for characterization during Fiscal Year (FY) 04. This BZSAP Addendum is a supplement to the BZSAP (DOE 2002) and includes data and proposed sampling locations for PAC SE-1602, which is part of IHSS Group 900-11. IHSS Group also contains IHSS112 (903 Pad), IHSS 140 (Hazardous Disposal Area), and IHSSs are not addressed in this Addendum. The location of PAC SE-1602 (East Firing Range) is shown on figure 1.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000655.PDF 1 MB

BZ-A-000656 6/10/1996

Management of Interceptor Trench System Water (TIS) IHSS 101, 114

Attached [000657] for US Department of Energy (DOE) assessment is the Management Plan for the Interceptor Trench System (ITS). This report details an approach for the management of the ITS water that does not require the use of treatment in Building 374; instead Kaiser-Hill Company, L.L.C. (K-H) proposes the release of ITS water into the storm water system at the Site. Kaiser-Hill will ask that US Department of Energy (DOE) review the enclosed plan consider approving the release of the ITS water through the surface water ponds. To support the review process, Environmental Restoration (ER) Water Management Interceptor (ER/WM&I) would like to schedule a meeting with US Department of Energy (DOE) after reviewing the plan.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000656.PDF 108 KB

BZ-A-000657 6/10/1996

Management Plan for the ITS Water

This Management Plan describes an alternative to the current practice of costly evaporation treatment of Interceptor Trench System (ITS) water in the Building 374 waste treatment facility at the Rocky Flats Environmental Technology Site (RFETS/Site). The proposed management plan provides for the release of ITS water into the Site's storm-water system in such a manner as to protect water quality at all times.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000657.PDF 3 MB

BZ-A-000658 7/1/1996

Management Plan for the ITS Water

The Interceptor Trench System (ITS) collect groundwater from below the site of the Solar Evaporation Ponds (SEP) previously used for water disposal. Contamination from the ponds entered the groundwater and has been detected at the ITS pump station. The US Department of Energy (DOE) agree to the treatment of the ITS produced water as part of the interim measures Operable Unit OU4 (OUO4) EG&G Rocky Flats, Inc. (EG&G 1992). The draft Rocky Flats Cleanup Agreement (RFCA) contains a proposed Action Level and Standards Framework (AL/SF) for surface Water, Groundwater and Soils. Under the Standards Framework, action levels are defined as numeric levels that, when exceeded, trigger an evaluation, remedial action, and /or management action.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000658.PDF 4 MB

BZ-A-000659 1/16/1998

Forwards the Closeout Report for the Source Removal at the Mound Site IHSS (113)

Forwards the Closeout Report for the Source Removal at the Mound Site Individual Hazardous Substance Site (IHSS 113). Also included is one copy of Appendix C, which provides additional information.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000659.PDF	212 KB
BZ-A-000660	1/1/2000
RE: Radiologically Contaminated Soils from T-3 and T-4	
This is to communicate the position of Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) regarding the soils from T-3 and T-4 that contain radionuclides at levels between the Tier I and Tier II action levels.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000660.PDF	89 KB
BZ-A-000661	9/10/1996
Re soils excavated from Ryan's Pit and T-3 and T-4	
The purpose of this letter is to confirm agreements reached regarding disposition of soils excavated from Ryan's Pit and from Trenches T-3 and T4. These agreements were reached during a meeting held on August 28, 1996, during a conference call on the morning of September 4, 1996, and during subsequent conversations between EPA and CDPHE.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000661.PDF	235 KB
BZ-A-000662	4/21/1997
Re corrective actions to be implemented as a result of the T-3/T-4 project	
The US Environmental Protection Agency (EPA) applauds the comprehensive review of the T-3/T-4 project that US Department of Energy, Rocky Flats Field Office (DOE/RFFO) and its contractor conducted as documented in the Collective Significance Evaluation Report of the Source Removal at Trenches T-3 and T-4. EPA is in agreement with the list of corrective actions that grew out of this report. EPA believes that the effective implementation of these corrective actions will allow the Site to avoid the types of problems experienced at T-3/T-4 as DOE continues environmental restoration efforts to meet the goals put forth in the Rocky Flats Cleanup Agreement (RFCA, 1996).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000662.PDF	117 KB
BZ-A-000663	8/26/1997
Re soil excavated from Hotspot in the area of T-3/T-4 during May of 97	
In March of 1997, during the excavation of the Mound soils, DOE's contractor discovered a radiologic hotspot in the area surrounding Trenches T-3 and T-4. In May of 1997, DOE's contractor excavated the soil and placed it into three drums. Kaiser-Hill forwarded the results of the analysis of the three drums, and proposed that the material be placed in the Mound-soils excavation since the levels of activity are well below the Tier II levels set forth in RFCA Attachment 5. Upon review of the data, it is agreed that the activity levels for the radionuclides of concern are well below the Tier II levels. EPA consulted with the Colorado Department of Public Health and Environment (CDPHE) on the matter and hereby approves the proposal to place the material from these three drums into the Mound excavation along with the recently treated Mound soils.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000663.PDF	73 KB

BZ-A-000664	4/20/1998
Response to comments: SAP for the Source Removal at T-1	
<p>As per the conference call discussion between Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) and DOE contractors that took place on April 14, 1998 regarding the Trench T-1 Sampling and Analysis Plan (SAP), the responses to previously submitted comments have been adequately addressed. However, in reviewing the Statement of Work for Gamma Spectroscopy Analysis, concerns arose regarding the detection of Plutonium at the level necessary for STARMET acceptance (50 pCi/g). Therefore, it is necessary for DOE to demonstrate that this method will be able to accomplish this prior to project start up and final approval of the method for this purpose. Although this was agreed to in principle during the conference call, the specific details required further work.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000664.PDF	70 KB

BZ-A-000665	3/24/1998
Letter re requested training requirements for direct oversight; T-1	
<p>In a letter dated February 3, 1998, the US Environmental Protection Agency (EPA) requested training requirements for direct oversight of the excavation action for Trench T-1. The Rocky Flats Environmental Technology Site (RFETS/Site) is transmitting Attachment 1, Safety Training Summary for the T-1 remedial activity. The document lists the required training items and the applicable areas for entrance such as the Contamination Area, High Contamination Areas (Exclusion Zone); Radiological Buffer Areas Contamination Reduction Zone; and the Project Support Zone. Also in the letter, the EPA requested that DOE submit the Field Implementation Plan, the Health and Safety Plan, the Sampling and Analysis Plan, and Operation Orders. With the exception of the SAP, the documents requested are not subject to agency approval. As soon as these documents are finalized, the DOE will transmit copies to the regulators.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000665.PDF	115 KB

BZ-A-000666	2/25/1998
Ltr to clarify statements regarding the disposition of soils excavated from T-1	
<p>The purpose of this letter is to clarify statements made in EPA's letter of February 3, 1998 regarding the disposition of soils to be excavated from Trench T-1. In that letter it was stated the "excavated soils which exceed the Tier II action levels shall be shipped offsite for disposal." EPA understands that soils which are found to be contaminated with radionuclides at levels greater than the Tier II values but less than the Tier I values are not automatically required to be shipped offsite, as per the Rocky Flats Cleanup Agreement. RFCA requires that when subsurface soils exceed Tier II action levels, actions will be developed in an integrated manner with other actions being taken and that actions will be consistent with best management practices. It is these requirements and the present knowledge of T-1 contaminants, as well as surrounding levels of contaminants, that provided the basis for EPA's position that is referenced above. Of course, we will know much more about the levels of contaminants in the soils and the volumes of soils that will exceed action levels after the actual soils have been sampled and analyzed. Once the analytical data has been provided to EPA, they will evaluate it in light of the requirements and agreements of RFCA to make a determination of the disposition of excavated subsurface soils.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000666.PDF	92 KB

BZ-A-000667	3/13/1998
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Re contained-in determination for excavated media and debris at T-1	
In a letter from US Department of Energy, Rocky Flats Field Office (DOE/RFFO) to Colorado Department of Public Health and Environment (CDPHE) dated January 6, 1998, DOE requested that a risk-based, contained-in determination be made for Carbon Tetrachloride, Trichloroethylene, and Tetrachloroethylene associated with the soil and debris to be excavated from Trench 1 this year. EPA concurs with the T-1 contained-in determination made by CDPHE.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000667.PDF	82 KB
BZ-A-000668	
2/27/1998	
Re Final PAM for the Source Removal at T-1, Rev. 5	
The US Environmental Protection Agency (EPA) has reviewed the changes made to the Final Proposed Action Memorandum (PAM) for the Source Removal at Trench 1, Revision 5 and has the following comments ... T-1	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000668.PDF	82 KB
BZ-A-000669	
2/10/1998	
Re the source removal at T-1	
This letter is a follow up to the meeting that was held on January 20, 1998 to discuss the status of plans for the upcoming source removal at Trench 1 (T-1). A number of details were discussed and this letter will put forth EPA's position for the record.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000669.PDF	179 KB
BZ-A-000670	
2/18/2004	
Forwards: The Draft Comprehensive Risk Assessment SAP Plan 04-01	
Forwards/submits; attached [000671] enclosed are copies of the Draft Comprehensive Risk Assessment Sampling and Analysis Plan (CRA SAP) Plan 04-01. A meeting will be scheduled to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000670.PDF	81 KB
BZ-A-000671	
2/18/2004	
Draft Comprehensive Risk Assessment SAP Plan 04-01	
Following accelerated action at the Rocky Flats Environmental Technology Site (RFETS/Site), the US Department of Energy (DOE) will perform a Draft Comprehensive Risk Assessment (CRA) to assess human health and ecological risk posed by remaining metals, chemicals and radionuclide. To support completion of the CRA, DOE is conducting additional surface soil sampling in the large area of the Buffer Zone (BZ) outside area that have no identified contaminant releases to the environment. DOE has agreed with the recommendation of the Risk Assessment Work Group (Colorado Department of Public Health and Environment (CDPHE) US Environmental Protection Agency (EPA), DOE, US Fish and Wildlife Service (FWS) and Kaiser-Hill) that this area of the Buffer Zone will be sampled for metals and radionuclide by a composite sampling methodology.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000671.PDF	5 MB

BZ-A-000672	2/24/2004
Forwards: NFAA Justification for Retention Pond C-1 IHSS Group NE-1	
Forwards/submits the attached [000673] No Further Accelerated Action (NFAA) Justification for Retention Pond C-1 Individual Hazardous Substance Site IHSS Group NE-1. A meeting will be scheduled the week of March 4, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000672.PDF	87 KB
BZ-A-000673	2/24/2004
NFAA Justification for Retention Pond C-1 IHSS SE-142.10	
Individual Hazardous Substance Site IHSS 142.10 (SE-142.10) (Pond C-1) at the Rocky Flats Environmental Technology Site (RFETS/Site) was constructed in 1955 to provide temporary holding and monitoring of Woman Creek waters including discharge from Ponds 6, 7, and 8 (Pond C-1 was also referred to as Pond 9 prior to the early 1970s). The first discharge from Pond C-1 was reserved on March 29, 1955.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000673.PDF	1 MB
BZ-A-000674	2/26/2004
Forwards/submits Rev 1 of the BZSAP Addendum BZ-04-01, IHSS Group 900-11	
Forwards/submits the attached [000675] Revision 1 of the Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-01 for IHSS Group 900-11 for regulator review and approval.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000674.PDF	83 KB
BZ-A-000675	2/1/2004
BZSAP FY04 Addendum BZ-04-01 IHSS Group 900-11 (IHSS 155)	
Buffer Zone Sampling and Analysis Plan (BZSAP) FY04 Addendum BZ-04-01 Individual Hazardous Substance Site IHSS Group 900-11, IHSS 155 Inner Lip Area and Associated Remediation Approach, Revision 1. This addendum includes IHSS Group-specific information, sampling locations, and potential contaminants of concern (PCOC) for IHSS 155 proposed for characterization during FY04. The purpose of the SAP is to describe the pre-screen sampling, the confirmation sampling and remedial activities associated with the sampling.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000675.PDF	2 MB
BZ-A-000676	2/1/2004
Conference Proceeding for Waste Management 2004	
Conference Proceeding for Waste Management 2004: Distinguishing Anthropogenic Uranium at the Rocky Flats Environmental Technology Site, Golden, Colorado	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000676.PDF	1 MB
BZ-A-000677	3/9/2004
Response to CDPHE comment no. 8 on Draft IM/IRA for OU07 and RCRA Closure	

In response to Colorado Department of Public Health and Environment (CDPHE) comment number 8 of the Draft Interim Measures / Interim Remedial Action (IM/IRA) for OU07 (IHSS 114) and RCRA Closure of the RFETS Present Landfill, attached is the Methane Data associated with the PU&D Monitoring Well Number 020987. Initially these results were reported in the 2000 Annual RFCA Groundwater Monitoring Report under Plume Degradation Monitoring associated with the Property Utilization and Disposal (PU&D) Yard Plume. Attached is: single page from 2000 Annual Groundwater Monitoring Report from Section 7.4; database summary of Methane results associated with well 02097 for 2001 and 2002; Methane data for Well 02097, form the Southwest Research Institute analyzed in March 2002, August 2002, January 2003, and August 2003.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000677.PDF	3 MB
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BZ-A-000678	1/26/2004
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Approval of issues on 903 Lip Project IHSS 155

Purpose of Contact: Review and Approval of issues on 903 Lip Project IHSS 155. Approval is only applicable to the Inner Lip Area. A Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year 04 Addendum is being prepared the describes the remedial and confirmation sampling in the southern portion of the inner lip area for US Environmental Protection Agency (EPA) review and approval. The approval is only applicable to the inner lip area. The outer lip area will be addressed in the 900-11 Interim Measures / Interim Remedial Action (IM/IRA).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000678.PDF	107 KB
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BZ-A-000679	3/31/2004
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Requests CRA SAP 04-01 approval

The US Department of Energy Rocky Flats Project Office is requesting approval from the respective agencies on the Comprehensive Risk Assessment (CRA) Sampling and Analysis Plan Phase I. Comments have been addressed and were incorporated in the final text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000679.PDF	37 KB
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BZ-A-000680	3/30/2004
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Forwards/submits the Final CRA SAP Addendum 04-01 Phase I

Forward/Submits the attached [000681] Final Comprehensive Risk Assessment (CRA) Sampling and Analysis Plan (SAP) Addendum 04-01 Phase I. Comments have been incorporated or addressed in an attached comment response.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000680.PDF	75 KB
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BZ-A-000681	3/1/2004
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Final CRA SAP Addendum 04-01 Phase I

Final Comprehensive Risk Assessment (CRA) Sampling and Analysis Plan (SAP) Addendum 04-01 Phase I, March 2004. Following accelerated actions at the RFETS, the DOE will perform a CRA to assess human health and ecological risks posed by remaining metals, chemicals, and radionuclides. As the first phase of the review, DOE has agreed with the recommendation of the Risk Assessment Work Group to perform additional surface soil sampling in the large area of the Buffer Zone outside of areas that have identified contaminant releases to the environment. The objective of the sampling is to document the assumption that the large area of the BZ is uncontaminated. This evaluation will identify areas that require further consideration for either additional characterization and/or remedial action.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000681.PDF	5 MB
BZ-A-000682	4/5/2004
Forwards Rev 1 of the BZSAP Addendum BZ-04-01 for IHSS Group 900-11	
Attached [000683] is the Revision 1 of the Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-01 for IHSS Group 900-11 (Lip Area) for regulator verification and subsequent approval. It includes additional information regarding kriging and confirmation sampling as documented in the January 26, 2004 and March 25, 2004 Contact Records. DOE will request formal approval upon completion of their verification.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000682.PDF	88 KB
BZ-A-000683	3/1/2004
BZSAP FY04 Addendum BZ-04-01 IHSS Group 900-11, IHSS 155	
Buffer Zone Sampling and Analysis Plan FY04 Addendum BZ-04-01 IHSS Group 900-11, IHSS 155 Inner Lip Area and Associated Remediation Approach Revision 1, March 2004. This BZSAP Addendum includes Individual Hazardous Substance Site Group-specific information, sampling locations, and potential contaminants of concerns (PCOC) for IHSS 155 proposed for characterization during Fiscal Year 2004. The purpose of this SAP is to describe the pre-screening sampling, the confirmation sampling and remedial activities associated with the sampling.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000683.PDF	2 MB
BZ-A-000684	4/13/2004
Rev. 1 BZSAP Addendum BZ-04-01 for IHSS Group 900-11 (Lip Area)	
Subject: Revision 1 Buffer Zone Sampling and Analysis Plan (BZSAP), Addendum BZ-04-01 for Individual Hazardous Substance Site IHSS Group 900-11. The US Department of Energy (DOE), Rocky Flats Project Office (RFPO), is requesting approval from the US Environmental Protection Agency (EPA), Region 8, on the Revision 1 of the BZSAP Addendum BZ-04-01 for IHSS 900-11 (Lip Area). This document includes additional information regarding Kriging and confirmation sampling as documented in the January 26, 1994, and March 25, 2004 Contact Records.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000684.PDF	42 KB
BZ-A-000685	4/15/2004
Forwards/submits response to CDPHE concerns for the BZCR	
Forwards/Submits the attached [000686] Response to Concerns for the Buffer Zone Contamination Report (BZCR), Additional Assessment submitted by the Colorado Department of Public Health and Environment (CDPHE) in April 2003. The five BZCR sites were discussed in a meeting held on February 19, 2004 with the Regulatory Agencies.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000685.PDF	84 KB
BZ-A-000686	4/8/2004
CDPHE BZCR Additional Assessment Response to Concerns	

Colorado Department of Public Health and Environment (CDPHE) Buffer Zone Contamination Report Additional Assessment (submitted April, 2003) Rocky Flats Environmental Technology Site Response to Concerns, April 8, 2004. This document was prepared by the RFETS for presentation to the CDPHE/EPA at a meeting held on February 19, 2004. The purpose of the meeting was to reach agreement on areas identified in the BZCR Additional Assessment dated April 2003. The concerns identified in this Additional Assessment were addressed and agreement was reached.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000686.PDF 600 KB

BZ-A-000687 4/26/2004

CDPHE Buffer Zone Contamination Report (Additional Assessment)

The US Department of Energy (DOE), Rocky Flats Project, Office (DOE/RFPO), is requesting approval from the staff at the Colorado Department of Public Health and Environment (CDPHE), the Buffer Zone Contamination Report (Additional Assessment). The five sites were discussed in a meeting held on February 19, 2004, with staff from CDPHE and U.S. EPA, Region VIII. Copies of the transmittal report were provided to both staffs on April 15, 2004. Comments have been addressed and were incorporated in the final text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000687.PDF 42 KB

BZ-A-000688 2/1/1995

Final Corrective Measured Study/Feasibility Study, 881 Hillside OU01

Rocky Flats Environmental Technology Site (RFETS/Site), Corrective Measures Study (CMS/FS) Feasibility Study, performed for the 881 Hillside Area, Operable Unit 1 (OU01), of the RFETS. The study was conducted in accordance with the requirements of the Rocky Flats Interagency Agreement (IAG) of January 1991. This agreement was signed between the US Department of Energy (DOE), the US Environmental Protection Agency (EPA), and Colorado Department of Public Health and Environment (CDPHE). The agreement specifies that the CMS/FS shall be conducted following appropriate Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and Resource Conservation and Recovery Act (RCRA) guidance.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000688.PDF 20 MB

BZ-A-000689 6/1/1995

Final Corrective Measures Study/Feasibility Groundwater Flow for OU02

Rocky Flats Environmental Technology Site (RFETS/Site) Corrective Measures Study/Feasibility Groundwater Flow Modeling Report for Operable Unit No. 2 (OU02). This report presents the detail and results of groundwater flow modeling conducted in support of the Rocky Flats Environmental Technology Site (RFETS/Site). Operable Unit No. 2 (OU2). Resource Conservation and Recovery Act (RCRA), Corrective Measures Study (CMS), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Feasibility Study. This report is base on site-specific information contained primarily in the Phase II RCRA Facility Investigation/Remedial Investigation (FI/RI) Report, 903 Pad, Mound, and East Trenches Area, Operable Unit No 1 (DOE 1995a) hereafter referred to as the Phase II RFI/FI Report. The reader is encouraged to review this CMS/FS modeling report in conjunction with the Phase II RFI/RI Report.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000689.pdf 17 MB

BZ-A-000691 9/22/1997

Data Summary 903 Drum Storage Area (IHSS 122) 903 Lip Area (IHSS 155) Americium Zone	
Data Summary 903 Drum Storage Area, (Individual Hazardous Substance Site IHSS 122), 903 Lip Area (IHSS 155), Americium Zone. This document summarizes existing data, which will be used to plan an accelerated remedial action for (IHSSs) and contaminated surface and subsurface soils.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000691.pdf	9 MB
BZ-A-000693	4/27/2004
RE: Buffer Zone SAP FY04 Addendum BZ-04-01, IHSS Group 900-11 IHSS 155 Inner Lip Area	
The Buffer Zone Sampling and Analysis Plan (BZSAP) Fiscal Year 04 Addendum BZ-04-01, Individual Hazardous Substance Site IHSS Group 900-11, IHSS 155 Inner Lip Area and Associated Remediation Approach, Revision 1. The above referenced document, dated March 2004, has been reviewed by US Environmental Protection Agency (EPA). The sampling and analysis approach specified in the document is acceptable as described for the Inner Lip area. The revisions to the document that were requested have been made, and therefore, EPA approves this document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000693.PDF	55 KB
BZ-A-000694	4/29/2004
Forwards: The ER RSOP Notification 04-13 for IHSS Group 900-12	
Forwards/submits: Attached [000695] Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) Notification 04-13 for Individual Hazardous Substance Site IHSS Group 900-12, IHSS 900-111.3, 900-111.5, 900-111.6, Kaiser-Hill Company, L.L.C. (K-H) will schedule a meeting the week of May 14, 2004, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000694.PDF	75 KB
BZ-A-000695	4/29/2004
Draft ER RSOP for Routine Soil Remediation FY04 Notification 04-13 IHSS Group 900-12	
The Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), for Soil Remediation (ER RSOP) US Department of Energy (DOE 2003a) Fiscal Year (FY) 04 Notification 04-13 includes the notification to remediate Individual Hazardous Substance Site IHSS Group 900.12, at the Rocky Flats Environmental Technology Site (RFETS/Site) Buffer Zone (BZ) during FY04. The purpose of this Notification is to invoke the ER RSOP for IHSS Group 900-12. Activities specified in the ER RSOP are not reiterated here; however, deviations from the ER RSOP are included where appropriate.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000695.pdf	1 MB
BZ-A-000696	4/13/2004
903 Lip Project	
Purpose of Contact: 903 Lip Project. Due to recent safety developments regarding potential hazardous material disposal in the Individual Hazardous Substance Site IHSS 140 area (Inner Lip), additional safety planning and review will be required prior to remediating the area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000696.pdf	69 KB

BZ-A-000697	7/7/1995
Draft Summary of Historical Water-Quality Data Selected Seeps 903 Pad and Lip Area	
Draft Summary of Historical Water-Quality Data for Selected Seeps in the 903 Pad and Lip Area at the Rocky Flats Environmental Technology Site. This report summarizes radiochemistry data for seep waters located in the vicinity of the 903 Pad. The data presented herein were collected as part of the Sitewide Surface Water and Sediment Monitoring Program that operated from 1989 to 1994 at the Site. Data summarized herein are for the time period January 1, 1989 through January 1, 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000697.pdf	942 KB
BZ-A-000698	5/10/2004
Forwards: The Final BZSAP Addendum BZ-04-01 for IHSS Group 900-11	
Forwards/submits; attached [000699] the Final Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-04-01 for Individual Hazardous Substance Site IHSS Group 900-11, IHSS 155 Inner Lip Area and Associated Remediation Approach, Revision 1. Previous comments have been incorporated and this revised report was approved by Colorado Department of Public Health and Environment (CDPHE), on April 27, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000698.pdf	71 KB
BZ-A-000699	5/10/2004
BZ SAP FY04 Addendum BZ-04-01 IHSS Group 900-11 IHSS 155 Inner Lip Area	
This Buffer Zone Sampling and Analysis Plan (BZSAP) US Department of Energy (DOE 2002) Addendum BZ-04-01 includes Individual Hazardous Substance Site IHSS Group 900-11 specific information, sampling locations, and Potential Contaminants of Concern (PCOCs) for IHSS 155 (Inner Lip Area) proposed for characterization during Fiscal Year (FY 04). This BZSAP Addendum is a supplement to the BZSAP (DOE 2002).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000699.pdf	2 MB
BZ-A-000700	1/1/1995
Final:TM No. 1 Development of Corrective/Remedial Action for OU No.2	
This Technical Memorandum TM No.1 Development of Corrective/Remedial Action for Operable Unit OU No.2. As outline in Section IX.A.1 of the Interagency Agreement (IAG) Statement of Work, (C/RAOs) are to developed to identify the contaminants and media of interest, exposure pathways and receptors, and acceptable contamination levels or range of levels for each exposure route. This technical memorandum is intended it fulfill for OU No.2 by establishing C/RAOs that are protective of human health the environment.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000700.pdf	3 MB
BZ-A-000701	5/1/1995
Final TM No.2 Initial Screening of Remedial Technologies and Identification for OU No.2	

Final Technical Memorandum TM No.2 Initial Screening of Remedial Technologies and Identification for Operable Unit No.2 (OU02). The Rocky Flats Environmental Technology Site (RFETS/Site) and technical memorandum addressed the development and screening of technologies and process option, and presents alternatives for the remediation of surface soils, subsurface soils, and groundwater associated with Operable Unit OU2 (OU02).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000701.pdf 11 MB

BZ-A-000702

5/1/1995

Final: RFETS OU-2 Subsurface IM/IRA TM No. 4 for Trench T-3 IHSS 110

The final Technical Memorandum TM No.4 was prepared to assemble and evaluate historical, geological, hydrogeological, and data collected for Trench T-3, Individual Hazardous Substance Site IHSS 110, in support of the Operable Unit OU Number 2 (OU2) Subsurface Interim Measures/Interim Remedial Action (IM/IRA).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000702.pdf 14 MB

BZ-A-000703

5/31/1995

Meeting Agenda - Meeting Information

Meeting Agenda: Ecological Chemicals of Concern Screening, Woman Creek and Walnut Creek Ecological Risk Assessments, May 31, 1995

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000703.PDF 12 MB

BZ-A-000704

4/29/2004

Re: Early start for 903 Outer Lip Remediation

Re: Early start for 903 Outer Lip Remediation. As was discussed in last week's project coordinator meeting, EPA will allow DOE to begin remediation of the 903 Outer Lip area prior to the final approval of the Interim Measure/Interim Remedial Action for IHSS Group 900-11, on the condition that the sampling and analysis approach will be performed as described for the 903 Inner Lip Area that is currently in progress. This approach includes laying out a grid over the entire area to be remediated prior to starting work and assigning identifying location numbers and/or letters to each cell. These procedures are more completely specified in the Sampling and Analysis Plan FY04 Addendum BZ-04-01, Sections 3.2 and 4.3, Figure 5, dated March 2004 and differ from Section 5.1.1.3.2 on confirmation Sampling that was presented in the first draft of the IM/IRA. Of course, beginning this activity prior to final approval of the IM/IRA will put DOE at some risk of changing the project approach in order to comply with the final document.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000704.PDF 74 KB

BZ-A-000705

4/26/2004

Forwards the attached Draft IM/IRA for IHSS Group 900-11

This letter forwards the attached [000706] Draft Interim Measure/Interim Remedial Action for IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit UO01 [881 Hillside]) to the EPA to commence the 45-day public comment period concurrently with the submittal. Copies of this IM/IRA will also be transmitted to the Colorado Department of Public Health and Environment (CDPHE) and the stakeholders.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000705.PDF 72 KB

BZ-A-000706	4/26/2004
Draft IM/IRA for IHSS Group 900-11	
Draft Interim Measure/Interim Remedial Action for IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit OU01 [881 Hillside]). The 903 Pad Outer Lip Area (IHSS 155) is the primary subject of the accelerated action proposed in this IM/IRA. In addition, this IM/IRA presents previous and planned actions at other IHSSs and Potential Areas of Concern (PACs) within and in the immediate vicinity of the 903 Pad Lip Area and OU01.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000706.pdf	15 MB
BZ-A-000707	4/26/2004
Forwards: The Draft IM/IRA for IHSS Group 900-11	
Forwards: The Draft Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS Group 900-11 (903 Lip Area) and Vicinity. The US Department of Energy (DOE) Rocky Flats Project Office (RFPO) is pleased to transmit this to US Environmental Protection Agency (EPA). The Windblown Area, and surface Soil in Operable Unit (OU01) [881 Hillside] to commence the 45 day comment period concurrently with this submittal. Copies of this document will be transmitted to the Colorado Department of Public Health and Environment (CDPHE), and the stakeholders.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000707.PDF	68 KB
BZ-A-000708	5/13/2004
Re modifications to the 900-11 East Firing Range SAP	
Purpose of Contact: Modifications to the 900-11 East Firing Range SAP. The following changes to the Buffer Zone Sampling and Analysis Plan (BZSAP) BZ-04-11 were agreed upon...	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000708.PDF	91 KB
BZ-A-000709	5/28/2004
Requesting approval for IHSS Group 900-12 (East Trenches)	
The US Department of Energy, Rocky Flats Project Office (DOE/RFPO) is requesting approval from the staff at the US Environmental Protection Agency (EPA), Region VIII, on the Draft Environmental Restoration RFCA Standard Operating Protocol (ER RSOP), Fiscal Year 04 Notification 04-13, Individual Hazardous Substance Site IHSS Group 900-12 (East Trenches). Comments from EPA and CDPHE were originally discussed in the Documents Meeting on May 13, 2004, and revisions based on comments were sent to the EPA lead, minor discussions the revisions were stated at the Documents Meeting on May 27, 2004 with staff from CDPHE.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000709.PDF	49 KB
BZ-A-000710	5/27/2004
Forwards/submits the attached ER RSOP Notification 04-13 for IHSS Group 900-12	
Forwards/submits the attached [000711] Environmental Restoration RFCA Standard Operating Protocol for Routine Soil Remediation FY04 Notification 04-13 IHSS Group 900-12, East Trenches, for verification and subsequent approval. Previous comments have been incorporated as discussed.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000710.PDF	77 KB
BZ-A-000711	5/1/2004
ER RSOP Notification 04-13 for IHSS Group 900-12	
Environmental Restoration RFCA Standard Operating Protocol for Routine Soil Remediation FY04 Notification 04-13 IHSS Group 900-12, East Trenches.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/bz-a-000711.pdf	1 MB
BZ-A-000712	6/8/2004
RE: Comments; Draft IM/IRA for IHSS Group 900-11	
CDPHE Comments Re: The Draft Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS Group 900-11 (903 Lip Area and Vicinity, the Windblown Area, and Surface Soil In Operable Unit 1 [881 Hillside]), April 26, 2004. The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division (the Division) hereby submits comments on the subject document. The comments, attached, are in addition to CDPHE informal comments on March 4, 2004 version provided to the agencies prior to the 45-day public comment period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000712.pdf	285 KB
BZ-A-000713	6/10/2004
RE: IM/IRA, IHSS Group 900-11 903 Lip Area and Vicinity	
General Comments re the Interim Measures / Interim Remedial Action (IM/IRA) Individual Hazardous Substance Site IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit 1 OU01). The alternative selected through this process is not the most protective of surface water in the long term is one of the remedial action objectives listed in the document in section 3.2.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000713.pdf	117 KB
BZ-A-000714	6/23/2004
RE: IM/IRA for the Present Landfill	
The US Environmental Protection Agency (EPA) has reviewed the Interim Measures / Interim Remedial Action (IM/IRA) Report dated May 2004. However EPA is withholding approval pending charges as described in the enclosures.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000714.pdf	504 KB
BZ-A-000715	6/1/2004
State comments re the Draft Environmental Assessment Pond and Land Configuration	
Colorado Department of Public Health and Environment (CDPHE) comments regarding the Draft Environmental Assessment Pond and Land Configuration Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000715.pdf	234 KB

BZ-A-000716	5/11/2004
Regulator approval of BZ Contamination Report Add'l Assessment, Site Response to Concerns	
Responses to the concerns raised in the Colorado Department of Public Health and Environment Buffer Zone Contamination Report Additional Assessment (submitted April, 2003) as submitted to the CDPHE and US Environmental Protection Agency (EPA) in the Rocky Flats Environmental Technology Site Response to Comments dated April 8, 2004 are satisfactory. As such, based on the information provided and as discussed, the Regulators hereby approve these responses to concerns as provided in the April 8, 2004 document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000716.pdf	68 KB
BZ-A-000717	6/29/2004
Forwards/submits the Final ER RSOP Notification 04-13 for IHSS Group 900-12	
Forwards/Submits the attached [000718] Final ER RSOP Notification 04-13 for IHSS Group 900-12, dated June 2004. Previous comments have been incorporated and the document was approved by EPA on June 17, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000717.pdf	66 KB
BZ-A-000718	6/1/2004
ER RSOP Notification 04-13 IHSS Group 900-12, East Trenches	
Environmental Restoration RFCA Standard Operating Protocol for Routine Soil Remediation FY04 Notification 04-13 IHSS Group 900-12, East Trenches, dated June 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000718.pdf	1 MB
BZ-A-000719	6/17/2004
EPA approval re: Draft ER RSOP Notification 04-13, IHSS Group 900-12 (East Trenches)	
EPA has reviewed the ER RSOP Notification 04-13, IHSS Group 900-12 and is satisfied with the proposed revisions that have been discussed. Therefore, EPA will approve this document with the incorporated revisions.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000719.PDF	46 KB
BZ-A-000720	5/19/2004
Forwards: RFPO the Final IM/IRA for the present Landfill	
Forwards: the US Department of Energy, Rocky Flats Project Office (DOE/RFPO) is pleased to transmit to Colorado Department of Public Health and Environment (CDPHE) three copies of the Final Interim Measures / Interim Remedial Action Plan (IM/IRA) for the Present Landfill, which is being submitted for US Environmental Protection Agency (EPA) approval. The Final IM/IRA has been modified to address issues and comments that have been discussed in the recent meetings.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000720.PDF	162 KB
BZ-A-000721	5/19/2004
Forwards: RFPO the Final IM/IRA for the Present Landfill	

Forwards: the US Department of Energy, Rocky Flats Project Office (DOE/RFPO) is pleased to transmit to Colorado Department of Public Health and Environment (CDPHE) three copies of the Final Interim Measures / Interim Remedial Action Plan (IM/IRA) for the Present Landfill, which is being submitted for US Environmental Protection Agency (EPA) approval. The Final IM/IRA has been modified to address issues and comments that have been discussed in the recent meetings.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000721.PDF 161 KB

BZ-A-000722

5/1/2004

Final IM/IRA for IHSS 114 and RCRA Closure of the RFETS Present Landfill

Final Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS 114 and Resource Conservation and Recovery Act (RCRA) Closure of the Present Landfill. To protect water quality in streams and local waterways and to meet the National Pollution Discharge Elimination System (NPDES) Permit and other regulatory requirements, this procedure provides for the control and disposition of incidental waters originating from the following RFETS sources and activities.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000722.pdf 32 MB

BZ-A-000723

6/29/2004

Confirmation Samples for 900-12

Purpose of Contact: The Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification includes full suite sampling for the Confirmation samples for 900-12, the remedial action at this location. However, the action is driven by the radiological contaminants only. Therefore, as agreed, confirmation samples collected for the remedial action at Individual Hazardous Substance Site IHSS Group 900-12 will be analyzed for radiological constituents only.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000723.PDF 69 KB

BZ-A-000724

6/1/2004

Original Landfill Radiologically-Contaminated Surface Soil Removal IHSS 114

Purpose of Contact: Original Landfill Radiological Contaminated Surface Soil Removal. On June 1, 2004 Project Coordinators Meeting agreed that the removal of the Radiological Contaminated Surface Soil could be conducted at the Site's risk before the Original Landfill Interim Measures / Interim Remedial Action (IM/IRA) was finalized and approved by the regulatory agencies.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000724.PDF 92 KB

BZ-A-000725

7/15/2004

Backfill to Trench 6 at IHSS Group 900-12

Purpose of Contact: Field screen samples from the excavation boundary and the north, south and east sides of Trench 6 at Individual Hazardous Substance Site IHSS Group 900-12 were below action levels and samples have been submitted for offsite analyses. Excavation of the West Side continues. Based on the screening results, of this trench will be backfilled with the exception of the active excavation area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000725.PDF 66 KB

BZ-A-000726

7/13/2004

Modification to the 900-11 East Firing Range SAP	
Purpose of Contact: Modification to the 900-11 East Firing Range. The following changes to the Buffer Zone Sampling and Analysis Plan (BZSAP) BZ-04-11 were agreed upon at a meeting on July 13, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000726.PDF	85 KB
BZ-A-000727	7/12/2004
Backfill of Trench 6 and Trench 8 at IHSS Group 900-12	
Purpose of Contact: Field screening sample results from the west excavation boundary Backfill of Trench 6 and Trench 8 at Individual Hazardous Substance Site IHSS Group 900-12 are below action levels and the sample had been submitted for offsite analyses. Based on he screening results, the remaining open section of the excavation will be backfilled.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000727.PDF	69 KB
BZ-A-000728	7/15/2004
Backfill of Trench 6 at IHSS Group 900-12	
Purpose of Contact: Field screen samples from the excavation boundary and the north, South and east side of Trench 6 at Individual Hazardous Substance Site IHSS Group 900-12 were below action levels and samples have been submitted for offsite analyses. Excavation of the West Side continues. Based on the screening results, most of this trench will be backfill with the exception of the active excavation area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000728.PDF	65 KB
BZ-A-000729	8/23/2004
Re-sample of BZ grid cell K14	
Purpose of Contact: As agreed by correspondence with Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA), sampling of grid cell K14 will be authorized by Contact Record as re-sampling to resolve uncertainty cause by the results of the previously approved sampling addendum.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000729.pdf	87 KB
BZ-A-000730	8/23/2004
RE: IM/IRA and RCRA Closure of the Present Landfill (August 2004)	
Responses to comments from both Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA) on the final Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS 114 and Resource Conservation and Recovery Act (RCRA) Closure of the Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill and satisfactory and the document including replacement pages transmitted on August 8, 2004, is approved.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000730.pdf	105 KB
BZ-A-000731	9/2/2004
IHSS Group 900-12 Sampling	

Purpose of Contact: As part of the consultative process meeting on September 2, 2004, sampling at Individual Hazardous Substance Site IHSS Group 900-12 was discussed and it was agreed to conduct additional sampling. Additional samples will be collected as follows in accordance with Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum 04-02.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000731.pdf

69 KB

BZ-A-000732

5/7/1997

Groundwater Monitoring at the Present Sanitary Landfill RFETS

This report present 1996 data for Groundwater quality at the Present Sanitary Landfill, Rocky Flats Environmental Technology Site (RFETS/Site). The Present Landfill serves at the solid waste disposal facility for RFETS and is one of three interim status units at RFETS that regulated under the Resource Conservation and Recovery Act (RCRA). Throughout 1996, groundwater monitoring was conducted in accordance with regulation of the Colorado Department of Public Health and Environment (CDPHE), contained in Title 6 of the Colorado Code of Regulations, 6 CCR 1007-2, and 6 CCR-1007-3. These codes pertain to solid waste disposal site and facilities, and require a determination of the impact of the Present Landfill on water quality in the uppermost aquifer.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000732.pdf

6 MB

BZ-A-000733

10/6/2004

Forwards/submits the Draft IABZSAP Addendum IABZ-05-01 for IHSS Group NE-1, PAC NW-1505

Forwards / Submits the attached [000734] Draft IABZSAP Addendum IABZ-05-01 for IHSS Group NE-1, PAC NW-1505 (North Firing Range). A meeting will be scheduled the week of October 18 to resolve comments and finalize the text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000733.pdf

66 KB

BZ-A-000734

10/1/2004

Draft IABZ SAP Addendum IABZ-05-01 IHSS Group NE-1 PAC NW-1505 (North Firing Range)

Draft Industrial Area and Buffer Zone Sampling and Analysis Plan Addendum IABZ-05-01 IHSS Group NE-1 PAC NW-1505 (North Firing Range). (IABZSAP)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000734.pdf

906 KB

BZ-A-000735

8/26/2004

Forwards the Final IM/IRA for IHSS Group 900-11

Forwards the Final Interim Measures / Interim Remedial Action (IM/IRA) for IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit 1 {881 Hillside}) for EPA concurrence and approval.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000735.pdf

59 KB

BZ-A-000736

9/20/2004

Final IM/IRA for IHSS Group 900-11 Approval

The Environmental Protection Agency (EPA) has reviewed the Final Interim Measures / Interim Remedial Action (IM/IRA) for IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit 1 {881 Hillside}) and revisions based upon a comments resolution meeting. The revisions adequately address clarifications requested by CDPHE and EPA. Therefore, EPA approves the document with revisions.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000736.pdf 51 KB

BZ-A-000737

8/25/2004

Final Interim Measures / Interim Remedial Action (IM/IRA) for IHSS Group 900-11

Final Interim Measures / Interim Remedial Action (IM/IRA) for IHSS Group 900-11 (903 Lip Area and Vicinity, The Windblown Area, and Surface Soil in Operable Unit 1 {881 Hillside}). This IM/IRA Decision Document presents an evaluation of environmental contaminants, remediation alternatives and proposed accelerated actions for four areas at the Rocky Flats Environmental Technology Site. These areas are: (1) IHSS Group 900-11 (903 Lip Area and vicinity); (2) The Windblown Area east of IHSS Group 900-11; also referred to as the Americium Zone; (3) Operable Unit 1 (OU01) (881 hillside area), surface soil only; and (4) other IHSSs located in the vicinity of OU01.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000737.pdf 19 MB

BZ-A-000738

10/13/2004

T-4 Hot Spot Remediation

Purpose of Contact: T-4 Hot Spot Remediation. This Contact Record is to document approval to implement the excavation of the T-4 hot spot.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000738.pdf 59 KB

BZ-A-000739

10/13/2004

B Pond Site Preparation and Pilot Stabilization

Purpose of Contact: B Pond Site Preparation and Pilot Stabilization. This Contact Record is to document approval to implement two work packages at the B Ponds. The first work package is for site preparation including erosion control, surface water run-off control monitoring well protection, road improvement and constructing staging areas. The second package is for implementation of a pilot stabilization of the sediment in B1.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000739.pdf 62 KB

BZ-A-000740

10/18/2004

IHSS 140 Lithium Samples

Purpose of Contact: IHSS 140 Lithium Samples. The enclosed map shows the location of 10 additional surface and subsurface samples to be collected in the IHSS 140 area. The samples will be analyzed for lithium.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000740.pdf 87 KB

BZ-A-000741

10/18/2004

Confirmation Samples for T-4 Hot Spot

Confirmation samples from T-4 hot spot were as follows: ... All samples will be sent off-site for alpha spec analysis. The area will be backfilled with clean on-site soil.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000741.pdf	48 KB
BZ-A-000742	10/19/2004
Type 1 Facility Closeout Report for Building 944 (a.k.a. Tent 14)	
Letter submits the enclosed Type 1 Facility Closeout Report for Building 944 (a.k.a. Tent 14)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000742.pdf	902 KB
BZ-A-000743	10/21/2004
Trench T-7 Soil Samples	
Purpose of Contact: Trench T-7 Soil Samples. Surface soil samples will be collected from T-7 locations shown on the enclosed figure. The samples will be analyzed for Pu and Am. If results are greater than the Wildlife Refuge Worker action level, a hot spot remediation will be conducted with confirmation samples collected as determined through the consultative process. Any hot spot remediation conducted will not extend into the contents of the trench.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000743.pdf	89 KB
BZ-A-000744	10/26/2004
Sample Point Relocation for the North Firing Range	
Purpose of Contact: Sample Point Relocation for the North Firing Range. The line of sample points that are biased for the base of the south face of the north berm are located approximately 33 feet south of the berm. These sample points will be moved so that these are located at the base of the south face of the north berm, adjacent to the slab. A separate contact record will be generated for the additional sample relocations that may be required based on these changes. Because of the impending slab removal, sample collection will proceed immediately. The full 6" depth sample will be collected at these locations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000744.pdf	61 KB
BZ-A-000745	10/27/2004
DOE requests approval on IHSS Group NE-1	
The DOE Rocky Flats Project Office is requesting approval from the EPA on the ER RSOP Notification 04-11 for IHSS Group NE-1 (Ponds B-1, B-2, and B-3) dated October 2004. Previous comments have been incorporated as discussed. This e-mail will serve as the Administrative Record documentation for the IHSS Group NE-1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000745.pdf	38 KB
BZ-A-000746	10/26/2004
Forwards: The ER RSOP Notification 04-11 for IHSS Group NE-1(Ponds B-1, B-2, B-3	

Forwards the attached [000747] Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification 04-11 for Individual Hazardous Substance Site IHSS Group NE-1 (Ponds B-1, B-2, and B-3) for the regulators verification and subsequent approval. Previous comments have been incorporated as discussed; US Department of Energy (DOE) will request formal approval from the regulators upon completion of verification.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000746.pdf 67 KB

BZ-A-000747 10/26/2004

The ER RSOP for Routine Soil Remediation FY04 Notification 04-11 IHSS Group NE-1

The Environmental Restoration (ER), Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), for Routine Soil Remediation (ER RSOP), US Department of Energy (DOE 2003a) Notification includes the notification to remediate Individual Hazardous Substance Site IHSS, at the Rocky Flats Environmental Technology Site (RFETS/Site) Buffer Zone (BZ) during Fiscal Year (FY) 2004 (04). The purpose of this Notification is to invoke the ER RSOP for Ponds B1-B-2 and B-3 in Individual Hazardous Substance Site IHSS Group NE-1. Activities specified in the ER RSOP are not reiterated here; however, deviation from the ER RSOP and included where appropriate.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000747.pdf 5 MB

BZ-A-000748 10/18/2004

Transmits: The Draft Closeout Report for IHSS Group 900-11, 903 Pad

Transmits the attached [000749] Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, 903 Pad. Kaiser-Hill Company, L.L.C. (K-H) will contact the regulator to schedule a meeting the week of November 1 to resolve comments and finalize the text.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000748.pdf 66 KB

BZ-A-000749 10/18/2004

Draft Closeout Report for IHSS Group 900-11

This Closeout Report summarizes the Accelerated Action Activities (AAA) conducted at Individual Hazardous Substance Site IHSS Group 900-11, IHSS 112 the 903 Pad (903 Drum Storage Area) at the Rocky Flats Environmental Technology Site (RFETS/Site).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000749.pdf 18 MB

BZ-A-000750 10/18/2004

IHSS 140 Lithium Samples

Purpose of Contact: The attached map shows the location of 10 additional surface and subsurface samples to be collected in the IHSS 140 area. Samples will be analyzed for lithium.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000750.pdf 88 KB

BZ-A-000751 11/11/2004

Forwards/submits the Draft DSR for IHSS Group 900-2

Forwards / Submits the attached [000752] Draft Data Summary Report (DSR) for IHSS Group 900-2.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000751.pdf	71 KB
BZ-A-000752	11/1/2004
Draft DSR HISS Group 900-2	
Draft Data Summary Report IHSS Group 900-2 (IHSS 153, Oil Burn Pit No. 2 and IHSS 154, Pallet Burn Site). Approval of this DSR constitutes regulatory agency concurrence of IHSS Group 900-2 as a No Further Accelerated Action (NFAA) Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000752.pdf	5 MB
BZ-A-000753	11/1/2004
Forwards: Closeout Report for Building 944 (AKA Tent 14)	
Forwards: Please find enclosed a completed Rocky Flats Cleanup Agreement (RFCA) Type 1 Building Disposition Closeout Report provided for Colorado Department of Public Health and Environment (CDPHE) information for Building 944 (AKA Tent 14).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000753.pdf	925 KB
BZ-A-000754	11/1/2004
Submits: The IABZSAP Addendum 05-01 for IHSS Group NE-1 PCA NW-1505	
Submits: the attached [000755] the Industrial Area (IA) Buffer Zone Sampling and Analysis Plan (IABZSAP) Addendum 05-01 for Individual Hazardous Substance Site IHSS Group NE-1, Potential Area of Concern (PAC), NW-1505 (North Firing Range). Previous comments have been incorporated as discussed. US Department of Energy (DOE) will request formal approval from the regulators upon completion of their verification.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000754.pdf	69 KB
BZ-A-000755	11/1/2004
IABZSAP Addendum IABZ-05-01 IHSS Group NE-1, PAC NW-1505	
This Industrial Area (IA) Buffer Zone (BZ) Sampling and Analysis Plan (IABZSAP) Addendum IABZ-05-01 includes Individual Hazardous Substance Site IHSS Group specific information, proposed sampling locations, and Potential Contaminants of Concern (PCOCs) for Potential Area of Concern (PAC) NW-1505, the North Firing Range, at the Rocky Flats Environmental Technology Site (RFETS/Site). PAC NW-1505 is proposed for characterization during Fiscal Year (FY) 2005 (05). Note that while North Firing Range is a PAC, it is handled in the same manner as an IHSS.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000755.pdf	947 KB
BZ-A-000756	10/24/2004
Ditch between Central Ave and 903 Inner Lip	
Purpose of Contact: Ditch between Central Ave and 903 Inner Lip. Additional radiological sampling and analysis is completed for the area between Central Ave. and the 903 Inner Lip area. This area was originally thought to be included in the Central Ave. Ditch project. However, this area was not included was sampled to determine if any "grids" exceeded the AL.determine if any "grids" exceeded the AL.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000756.pdf	167 KB
BZ-A-000757	11/10/2004
Sampling Location changes for the North Firing Range SAP	
Purpose of Contact: Sampling Location changes for the North Firing Range Sampling and Analysis Plan (SAP). Additional, based sample location will be placed along the northern edge of the north berm at approximately 40 feet spacing, corresponding to the grid spacing used at this location. Locations will be placed approximately 3 feet up from the base of the berm. A and B intervals will be collected at these locations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000757.pdf	74 KB
BZ-A-000758	10/26/2004
Bowman's Pond PCB Remediation	
Purpose of Contact: Bowman's Pond Polychlorinated Biphenyl (PCB) Remeidiation. The attached map shpws the results of the most recent excavation and confirmation sampling at Ponds Bowman's pond. US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) concurs.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000758.pdf	132 KB
BZ-A-000759	10/12/2004
IHSS 140 Sampling and Lithium Analysis	
Purpose of Contact: US Environmental Protection Agency (EPA) approves additional sampling of Individual Hazardous Substance Site IHSS 140 as shown on the attached map. Thi map shows sample locations in the SE area of IHSS 140. Rocky Flats Environmental Technology Site (RFETS/Site) will assign sample numbers and collect these surface soil samples. Kaiser-Hill Company, L.L.C. (K-H) will analyze for metals as previous sample efforts. Result will be presented to US Environmental Protection Agency (EPA), and Colorado Department of Public Health and Environment (CDPHE).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000759.pdf	89 KB
BZ-A-000760	9/9/2002
Submits: Final Closure Plan for New Sanitary Landfill at RFETF	
Submits: the attached [000761, 000762, 000763, 000764] are the Final Closure Plan for the New Sanitary Landfill at the Rocky Flats Environmental Technology Site (RFETS/Site). The Plan incorporates all of Colorado Department of Public Health and Environment (CDPHE) comments discussed in CDPHE letter of September 16, 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000760.pdf	52 KB
BZ-A-000761	9/9/2002
Final Closure Plan for New Sanitary Landfill at RFETS	
Purpose and Scope: Colorado Department of Public Health and Environment (CDPHE) regulations, 6 CCR 1007-2, Part 258, Sections 3.5 and 3.6, address closure of solid waste disposal sites. The regulations outline closure and post closure requirements for landfills that have received waste.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000761.pdf	271 KB
BZ-A-000762	9/12/2002
The Closure Plan for New Sanitary Landfill at RFETS	
The Colorado Department of Public Health and Environment (CDPHE), Hazardous Material (HM), and Waste Management (WM), Division (Division) has reviewed the Closure Plan (Plan) for the New Sanitary Landfill at Rocky Flats Environmental Technology Site (RFETS/Site) dated September 5, 2002. This document was submitted as a revision of the original plan dated January 28, 2002 for closure of the unused landfill at RFETS, which address and responds to issues brought up by Division personnel. The activities outlined in the closure plan addresses the landfill area, the associated leached pond, and the below grade piping for the leached collection system.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000762.pdf	132 KB
BZ-A-000763	8/12/2002
The Purpose Closure Plan for New Sanitary Landfill at RFETS	
The Jefferson County Department of Health and Environment (JCDHE), has reviewed the purpose of Closure Plan for the New Sanitary Landfill (NSL) at the Rocky Flats Environmental Technology Site (RFETS/Site), dated January 28, 2002, as submitted by the US Department of Energy (DOE) and Kaiser-Hill Company, L.L.C. (K-H). JCDHE feel that this plan, implemented as proposed, will not pose a threat to human health or to the environment. However, the general nature of the closure plan in its description of specific work activity and construction details, does leave some concerns.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000763.pdf	94 KB
BZ-A-000764	10/15/2002
RE: Approval of Final Closure Plan for New Sanitary Landfill at RFETS	
The Hazardous Material (HM), and Waste Management (WM), Division of the Department of Public Health and Environment (the Division) has reviewed the document entitled "Final Closure Plan for the New Sanitary Landfill at Rocky Flats Environmental Technology Site (RFETS/Site)" dated October 9, 2001, prepared by Kaiser-Hill Company, L.L.C. (K-H). For the US Department of Energy (DOE) for closure activities for the "New Sanitary Landfill" located in the northwest area of the RFETS in Jefferson County, Colorado. The document describes operational plans for closure of the New Sanitary Landfill and post closure care of the site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000764.pdf	112 KB
BZ-A-000765	11/10/2004
Agreement to Remediate the Fill Material Overlying Trench 7	
As agreed to in the meeting on November 10, 2004, fill material that covers Trench 7 is contaminated with very low levels of radionuclide that are above action levels at two locations. Therefore, the fill material at each hotspot will be remedied to meet the action levels.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000765.pdf	62 KB
BZ-A-000766	11/16/2004
Submits: Final Closeout Report for Type 2 Building 903 Decontamination Pad Cluster	

Submits: the attached [000767] Final Closeout Report for the Type 2 Building 903 Decontamination Pad Cluster. The report is submitted to document completion of Deactivation and Decommissioning (D&D) activities for Building 903 Decontamination Pad Cluster. This report was previously submitted in two documents (04-RF-01039); however, due to concerns raised by the Colorado Department of Public Health and Environment (CDPHE), the reports were consolidated and are being resubmitted as one report.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000766.pdf 85 KB

BZ-A-000767 11/16/2004

Final Project Closeout Report Building 903 Decontamination Pad Cluster

The Building 903 Decontamination Pad Cluster was located on the south half of the Rocky Flats Environmental Technology Site (RFETS/Site), just west of the 903 Pad. The 903B Cluster consists of Building 903B, an approximately 2,800 square foot liquid waste management building constructed in 1995; Building 903A the main Decontamination Facility constructed in 1993 (closed under a Resource Conservation and Recovery Act RCRA Closure Description Document); and Building 903A2 a 100 square foot general storage shed acquired in 1993.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000767.pdf 887 KB

BZ-A-000768 11/5/2004

RE: EPA approves of ER RSOP Notification 04-11 for IHSS Group NE-1

US Environmental Protection Agency (EPA) approves of Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification 04-11 for Individual Hazardous Substance Site IHSS Group NE-1 (Ponds B-1, B-2, and B-3) with incorporation of the planned revisions to the RSOP documented in the attachment submitted November 4, 2004 Kaiser-Hill Company, L.L.C. (K-H). EPA will submit formal written approval upon received the ER RSOP document revision with the propose modifications.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000768.pdf 70 KB

BZ-A-000769 11/5/2004

EPA approves IABZSAP Addendum IABZ-05-01, IHSS Group NE-1 PAC NW-1505

Purpose of Contact: US Environmental Protection Agency (EPA) approves Industrial Area Buffer Zone Sampling and Analysis Plan (IABZSAP) IABZ-05-01. Individual Hazardous Substance Site IHSS Group NE-1, Potential Area of Concern (PAC) NW-1505 (North Firing Range) dated November 2004. A signed approval letter will be formally submitted.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000769.pdf 32 KB

BZ-A-000770 11/10/2004

Contact Record: Use of North Firing Range Soils for the Present Landfill Cover

Purpose of Contact: Use of North Firing Range Soils for the Present Landfill Cover. As agreed to at the ER status meeting, soil from the investigation area, primarily the North Firing Range north berm, will be used after characterization. Based on the results, these will be remediated as appropriate with the remainder used for the construction of the Present Landfill Cover. This record includes an e-mail concurrence from the EPA.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000770.pdf 110 KB

BZ-A-000771	11/22/2004
Forwards: RFCA Type 2 Building Disposition Closure Report for 903 Decontamination Pad	
Forwards: please find the attached [000772] completed Rocky Flats Cleanup Agreement (RFCA) Type 2 Building Disposition Closeout Report provided for Colorado Department of Public Health and Environment (CDPHE) information for the 903 Decontamination Pad Cluster. Issues raised by the CDPHE are combined into this composite report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000771.pdf	105 KB
BZ-A-000772	11/2/2004
Final Project Closeout Report for Building 903 Decontamination Pad Cluster	
Building 903 Decontamination Pad Cluster was located on the south half of the Rocky Flats Environmental Technology Site (RFETS/Site), just west of the 903 Pad. The 903 Cluster consists of Building 903B, an approximately 2,800 square foot liquid waste management building constructed in 1995.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000772.pdf	736 KB
BZ-A-000773	11/23/2004
To obtain concurrence to modify the sediment removal process for Ponde B-1,B-2	
Purpose of Contact: The current of loading the sediment from B-1 ponds into bagd and then on to transport truck on top of the dam has become a bottleneck, showing the removal process for the B-series sediment removal project. At the current averaged removal rate of 13 bag/day, the project will not be complete until mid to late spring.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000773.pdf	90 KB
BZ-A-000774	11/24/2004
Backfill of Trench 7 hotspot at IHSS Group 900-12	
Purpose of Contact: Backfill of Trench 7 Hot Spot at Individual Hazardous Substance Site IHSS Group 900-12. Field screen samples from all four sides of the excavation boundary for both the CZ41-010 and CZ41-011 hotspots were below action levels and samples have been submitted for off site analyses.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000774.pdf	58 KB
BZ-A-000775	12/20/2004
Forwards/submits the Draft Closeout Report for IHSS Group 900-11	
Forwards / Submits the attached [000776] Draft Closeout Report for IHSS Group 900-11 PAC SE-1602 East Firing Range and Target Area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000775.pdf	68 KB
BZ-A-000776	12/1/2004
Draft Closeout Report for IHSS Group 900-11	

Draft Closeout Report for IHSS Group 900-11 PAC SE-1602 East Firing Range and Target Area. Approval of this report constitutes regulatory agency concurrence that PAC SE-1602 is a No Further Accelerated Action (NFAA) Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000776.pdf	12 MB
BZ-A-000777	11/16/2004
RE: Closeout Report for Building 944 (Tent 14)	
RE: Closeout Report for Building 994 (Tent14). The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials (HM) and Waste Management (WM) Division has reviewed US Department of Energy (DOE) letter and Closeout Report for Building 944 (AKA Tent 14), dated November 1, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000777.pdf	65 KB
BZ-A-000778	12/2/2004
Forwards/submits the Draft Closeout Report for IHSS Group 900-11	
Forwards / Submits the attached [000779] Draft Closeout Report for IHSS 900-11, 903 Lip Area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000778.pdf	66 KB
BZ-A-000779	12/1/2004
Draft Closeout Report IHSS Group 900-11	
Draft Closeout Report IHSS 900-11 IHSS 900-155, 903 Lip Area IHSS 900-140, Hazardous Disposal Area, December 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000779.pdf	18 MB
BZ-A-000780	12/22/2004
RE: East Face Design proposal November 22, 2004	
This is in response to US Department of Energy (DOE), Slope Stability Analysis for the East Face of the Present Landfill sent November 22, 2004. Some discussion and update took place last week, and new models were provided to US Environmental Protection Agency (EPA), office on December 6. Technical staff met December 7, to follow up to the modified proposal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000780.pdf	140 KB
BZ-A-000781	12/18/2003
Re Closeout Report for IHSS Group SW-1	
The US Environmental Protection Agency (EPA) has reviewed the Closeout Report for IHSS Group SW-1. This document summarizes the accelerated action activities conducted at IHSS 133.5, the Incinerator Facility, and IHSS 133.6, the Concrete Wash Pad. Approval of this document is granted at this time, however EPA notes the existence of lead, beryllium, and total uranium at levels exceeding RFCA ecological action levels. It is understood that these exceedances Will be carefully evaluated through the sitewide Accelerated Action Ecological Screening Process and the Comprehensive Risk Assessment to determine whether a soil removal action will be necessary in the future.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000781.pdf	61 KB
BZ-A-000782	12/20/2004
Forwards: RLCR for Sewage Treatment Plant, Buildings T974A, T974, 988, 988A	
Forwards; The Reconnaissance Level Characterization Report (RLCR) for the Sewage Treatment Plant, Buildings, T974A, T974, 977, 988, 988A, 995, 995-AB-1, 995AB-2, 995-C-1, 995-C-3, 995-C-4, 995-C-5, 995-IC1, 995-IC2, and 995-IC3. This Building is characterized as a Rocky Flats Cleanup Agreement (RFCA); Type 1 facility based upon the RLCR, and is ready for demolition. This Report is submitted for Colorado Department of Public Health and Environment (CDPHE), concurrence.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000782.pdf	64 KB
BZ-A-000783	12/13/2004
Submits: The Sewage Treatment Plant (Buildings T974A,974, 977, 988, RLCR, PDSR)	
Submits: the attached [000184], provided for US Department of Energy (DOE), review and approval is the enclosed, Transmittal of Sewage Treatment Plant (Buildings T974A, 074, 977, 988, 988A, 995, 995-AB-1 995-AB-2, 995-C-1 995-C-2, 995-C-3, 995-C-4, 995-C-5, 995-IC1, 995-IC2, and 995-IC3. This report characterizes the physical, chemical and radiological hazards associated with these facilities, summarizes the characterization activities, defines the Data Quality Objectives (DQO), developed for this characterization, and presents the Data Quality Assessment (DQA), Verification and Validation (V&V) of result. Prior to the RLCR/PDSR for the Sewage Treatment Plant, some of the facilities were anticipated Rocky Flats Cleanup Agreement (RFCA) Type 1 facilities and some were anticipat Type 2 facilities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000783.pdf	170 KB
BZ-A-000784	12/9/2004
Type 1 RLCR/PDSR Sewage Treatment Plant Closeout Project	
A Reconnaissance Level Characterization (RLC), and a Pre-Demolition Survey (PDS), was preformed ton enable compliant disposition and Waste Management (WM) of the Sewage Treatment Plant Buildings T974A, 974, 977, 988, 988A, 995, 995-AB-1, 995-AB-2, 995-C-1, 995-C-2, 995-C-3, 995-C-4, 995-C-5, 995-IC1, 995-IC2, 995-IC3. All facility surfaces were characterized in the RLC/PDS, including the interior and exterior surfaces of the facilities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000784.pdf	14 MB
BZ-A-000785	1/3/2005
RE: RLCR for Sewage Treatment Plant Chlorine Contact Basin 995-CCC-1,995-CCC-2	
The Colorado Department of Public Health and Environment (CDPHE), Hazardous Material (HM) Waste Management (WM), Division has reviewed the Reconnaissance Level Characterization Report (RLCR) for the Sewage Treatment Plant Chlorine Contact Basins 995-CCC and 995-CCC-2, Revision 0 dated December 20, 2004. Based on the information contained in the RLCR, Colorado Department of Public Health and Environment (CDPHE), here by concurring with the determination that the Chlorine Contact Basins, 995-CCC-1, and 995-CCC-2 are Type 1 facilities.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000785.pdf	76 KB
BZ-A-000786	12/29/2004

B Pond Confirmation Samples	
Purpose of Contact: The following confirmation sample plan will be implemented at the B Ponds.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000786.pdf	139 KB
BZ-A-000787	12/28/2004
Forwards: Sewage Treatment Plant, Chlorine Contact Basins, 995-CCC-1, 995-CCC-2	
Forwards: the attached [000788], enclosed Reconnaissance Level Characterization Report (RLCR) for the Sewage Treatment Plant, Chlorine Contact Basins, 995-CCC-1, and 995-CCC-2. This building is characterized as a Rocky Flats Cleanup Agreement (RFCA) Type 1 facility based upon the RLCR, and is ready for demotion based upon Colorado Department of Public Health and Environment (CDPHE), concurrence. Forwards: the enclosed Reconnaissance Level Characterization Report (RLCR) for the Sewage Treatment Plant, Chlorine Contact Basins, 995-CCC-1, and 995-CCC-2. This building is characterized as a Rocky Flats Cleanup Agreement (RFCA) Type 1 facility based upon the RLCR, and is ready for demolition based upon Colorado Department of Public Health and Environment (CDPHE), concurrence.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000787.pdf	111 KB
BZ-A-000788	12/20/2004
Type 1 RLCR Sewage Treatment Plant Chlorine contact (995-CCC and 995-CCC-2)	
A Reconnaissance Level Characterization Report (RLCR) was performed to enable compliant disposition and Waste Management (WM) of the Sewage Treatment Plant Chlorine Contact Basins 99-5-CCC-1 and 995-CCC-2. Because these facilities were anticipated Type 1 facilities, a Pre-Demolition Survey (PDS) characterization was performed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000788.pdf	2 MB
BZ-A-000789	1/17/2005
Submits Transmittal the Draft NFAA Justifiacion AddendumTrenches T-3 and T-4	
Submits the attached [000790] copies the Draft No Further Accelerated Action (NFAA), Justification addendum Trenches T-3 and T-4, Potential Area of Concern (PAC) Reference Number: NE-111.1. Kaiser-Hill Company, L.L.C. (K-H) will contact the regulators to schedule a meeting the week of January 31, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000789.pdf	76 KB
BZ-A-000790	1/17/2005
Draft Addendum NFAA for Trenches T-3 and T-4, PAC Ref: NE-110 and NE-111.1	
Draft Addendum No Further Accelerated Action (NFAA), Justification for Trenches T-3 and T-4. A No Further Accelerated Action Justification (NFAA) was prepared for Trenches T-3 and T-4 in May 2003 (DOE 2003a).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000790.pdf	638 KB
BZ-A-000791	2/10/2005

Forwards/submit the Draft Addendum to the NFAA Justification Write-up for T-7	
Forwards / Submits the enclosed Draft Addendum to the No Further Accelerated Action (NFAA) Justification Write-up for Trench 7 (T-7) (PAC NE-111.4).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000791.pdf	935 KB
BZ-A-000792	12/22/2004
Transmittal: the STP, Chlorine Contact Basins 995-CCC-1, 995-CCC-2, RLCR	
Provided for US Department of Energy (DOE), review and approval is the attached [000793], for the Sewage Treatment Plant (STP), Chlorine Contact Basins, 995-CCC-1, and 995-CCC-2, Reconnaissance Level Characterization Report (RLCR) This report characterizes the physical, chemical, and radiological hazards associated with these facilities, summarizes the characterization activities, defines the Data Quality Objective (DQO), developed for this characterization, and presents the Data Quality Assessment (DQA), verification and validation results.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000792.pdf	150 KB
BZ-A-000793	12/20/2004
Type 1 RLCR, STP, Chlorine Contact Basins Closure Project 995-CCC-1 and 995-CCC-2	
A Reconnaissance Level Characterization (RLC) was preformed to enable compliant disposition and Waste Management (WM), of the Sewage Treatment Plant (STP) Chlorine Contact Basins 995-CCC-1 and 995-CCC-2. Because these facilities were anticipated Type 1 facilities, a Pre-Demolition Survey (PDS) characterization was preformed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000793.pdf	2 MB
BZ-A-000794	1/13/2005
Forwards/submit the Draft ER RSOP FY05 Notification 05-03 for IHSS Group 900-2	
Forwards / Submits the attached [000795] Draft Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) FY05 Notification 05-03 for IHSS Group 900-2.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000794.pdf	66 KB
BZ-A-000795	1/1/2005
ER RSOP for Routine Soil Remediation FY05 Notification 05-03 IHSS Group 900-2	
Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Soil Remediation FY05 Notification 05-03 IHSS Group 900-2, January 2005. This RSOP constitutes a notification of intent to conduct accelerated actions on IHSS Group 900-2 sites located in the Buffer Zone (BZ). IHSS Group 900-2 consists of IHSS 900-153, Oil Burn Pit No. 2, and IHSS 900-154, Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000795.pdf	909 KB
BZ-A-000796	1/26/2005
Forwards the RLCR for Buildings 995-D1 and 995-D2	

Forwards the Reconnaissance Level Characterization Report (RLCR) for Buildings 995-D1 and 995-D2, Sewage Treatment Plant Digesters. These Digesters are characterized as Type 1 facilities based upon the RLCR, and are ready for demolition based upon Colorado Department of Public Health and Environment (CDPHE) concurrence.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000796.pdf 76 KB

BZ-A-000797

12/18/2003

EPA approval Closeout Report for IHSS Group SW-1

The Closeout Report for IHSS Group SW-1 has been reviewed by US Environmental Protection Agency (EPA). This document summarizes the accelerated action activities conducted at IHSS 133.5, the Incinerator Facility, and IHSS 133.6, the Concrete Wash Pad. Approval of this document is granted at this time, however EPA notes the existence of lead, beryllium, and total uranium at levels exceeding RFCA ecological action levels. It is understood that these exceedances will be carefully evaluated through the sitewide Accelerated Action Ecological Screening Process and the Comprehensive Risk Assessment to determine whether a soil removal action will be necessary in the future.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000797.pdf 187 KB

BZ-A-000798

2/8/2005

RE: Closeout Report for IHSS Group 900-11 PAC SE-1602 East Firing Range, Target Ares

RE: Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, PAC SE-1602 East Firing Range and Target Area. The US Environmental Protection Agency (EPA) has reviewed the above referenced document. Recent Comments Resolution meeting were successful in addressing outstanding issues for EPA and the Colorado Department of Public Health and Environment (CDPHE). As result, EPA approves the document pursuant to the changes proposed at Comments Resolutions meetings. EPA looks forward to issuance of the final Closeout Report containing those changes.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000798.pdf 57 KB

BZ-A-000799

1/20/2005

Submits the Draft Closeout Report for IHSS Group 900-12 East Trenches

Submits the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 900-12 East Trenches.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000799.pdf 67 KB

BZ-A-000800

1/1/2005

Draft Closeout Report for IHSS 900-12

This Closeout Report summarizes the characterization and accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group 900-12 at the Rocky Flats Environmental Technology Site (RFETS/Site). This IHSS Group, which is part of the East Trenches area, consists of seven trenches: T-5 (IHSS NE-111.2), T-6 (IHSS NE-111.3), T-8 (IHSS NE-111.5), T-9a (IHSS NE-111.6a), T-9b (IHSS NE-111.6b), T-10 (IHSS NE-111.7), and 7-11 (IHSS NE-111.8). This Closeout Report addresses only the aforementioned IHSSs. Other trenches in the East Trenches area, including T-3, T-4 and T-7, will be addressed in the updates to the Historical Release Report (HRR).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000800.pdf 7 MB

BZ-A-000801	1/11/2005
Building 995 Complex Digester D1 and D2 Demolition in Support of Characterization Activities	
Purpose of Contact: On January 5, 2005, at 1300, a discussion was held regarding the disposition of the two-digester basins (995-D1 and 995-D2) located at the sewer plant complex. Specifically, the steps necessary to demolish the basin tops in support of completing the Reconnaissance Level Characterization Report (RLCR) final radiological and beryllium survey.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000801.pdf	86 KB
BZ-A-000802	1/28/2005
RLCR for Building 995-D1 and 995-D2, STP Digesters, Type 1 Facilities	
The Colorado Department of Public Health and Environment (CDPHE) Hazardous Materials (HM) and Waste Management (WM) Division has reviewed the Reconnaissance Level Characterization Report (RLCR) for Building 995-D1 and 995-D2, Sewage Treatment Plant (STP) Digesters, DWF-008-05. Based on the information contained in this RLCR, CDPHE concur that the Digesters are RFCA Type 1 facilities and demolition can proceed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000802.pdf	60 KB
BZ-A-000803	1/25/2005
Transmit: The Sewage Treatment Plant Digesters 995-D1, and 995-D2, RLCR	
Transmit the attached [000804] copy for US Department of Energy (DOE) review and approval of Sewage Treatment Plant Digesters 995-D1 and 995-D2 Reconnaissance Level Characterization Report (RLCR).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000803.pdf	157 KB
BZ-A-000804	1/25/2005
Type 1 RLCR, PDSR, STP, Closure Project for Buildings 995-D1 and 995-D2	
A Type 1 Reconnaissance Level Characterization Report (RLCR) and Pre-Demolition Survey Report (PDSR), Sewage Treatment Plant (STP), Closure Project for Building 995-D1 and 995-D2. A Reconnaissance Level Characterization (RLC), and Pre-Demolition Survey (PDS) was performed to enable compliant disposition and Waste Management (WM), (STP) Building 995-D1 and 995-D2.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000804.pdf	3 MB
BZ-A-000805	2/16/2005
Submits/Forwards The Draft BZ SAP Addendum BZ-05-02, for 903 PAD, VOCs, IHSS 112	
Submits/Forwards; the attached [000806] copies of the Draft Buffer Zone Sampling and Analysis Plan (BZSAP), Addendum BZ-05-02 for the 903 Project Authorization Directive (PAD), (Individual Hazardous Substance Site [IHSS 112]), Volatile Organic Compound (VOCs). Kaiser-Hill Company, L.L.C. (K-H), will contact regulators to schedule a meeting the week of February 28, to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000805.pdf	67 KB

BZ-A-000806	2/16/2005
IABZSAP Draft Addendum BZ-05-02 903 PAD, VOCs IHSS 112	
This Industrial Area (IA), and Buffer Zone Sampling and Analysis Plan (IABZSAP), Addendum BZ-05-02 includes specifications to conduct additional soil sampling at the 903 Project Authorization Directive (PAD), (Individual Hazardous Substance Site IHSS [IHSS] 112) during Fiscal Year (FY) 05. This IABZSAP Addendum is supplement to the IABZSAP (DOE 2004a) and include existing data, proposed sampling locations, sampling depths, and contaminants of concern, specifically Volatile Organic Compounds (VOCs).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000806.pdf	709 KB
BZ-A-000807	2/17/2005
Final Closeout Report for IHSS Group 900-11, IHSS 112-903 PAD	
Final Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, IHSS 112-903 PAD. Previous comments have been incorporated and the document was approved by Colorado Department of Public Health and Environment (CDPHE) on January 13, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000807.pdf	17 MB
BZ-A-000808	2/22/2005
Forwards/submits the Final Closeout Report for IHSS Group 900-11	
Forwards / Submits the attached [000809] Final Closeout Report for IHSS Group 900-11, IHSS 900-155, 903 Lip Area and IHSS 900-140, Hazardous Disposal Area. Previous comments have been incorporated and the document was approved by EPA on January 13, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000808.pdf	70 KB
BZ-A-000809	1/1/2005
Closeout Report IHSS Group 900-11	
Closeout Report IHSS Group 900-11 for IHSS 900-155, 903 Lip Area and IHSS 900-140, Hazardous Disposal Area, January 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000809.pdf	19 MB
BZ-A-000810	2/23/2005
Forwards/submits the Final ER RSOP Notification 05-03 for IHSS Group 900-2	
Forwards/submits the attached [000811] Final Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification 05-03 for Individual Hazardous Substance Site IHSS Group 900-2. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on January 27,2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000810.pdf	69 KB
BZ-A-000811	1/27/2005

ER RSOP for Routine Soil Remediation FY05 Notification 05-03 IHSS Group 900-2	
The Environmental Restoration RFCA Standard Operating Protocol (ER RSOP), Routine Soil Remediation FY05 (Fiscal Year), Notification 05-03, Individual Hazardous Substance Site IHSS Group 900-2. THIS document consists a notification of intent to conduct Accelerated Actions (AA), on IHSS Group 900-2 sites located in the Buffer Zone (BZ), at the Rocky Flats Environmental Technology Site (RFETS/Site). In accordance with and under the authority of the ER Rocky Flats Cleanup Agreement (RFCA), RSOP for Routine Soil Remediation (ER RSOP) (DOE 2003a).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000811.pdf	857 KB
BZ-A-000812	3/2/2005
Forwards/submits The Final Closeout Report for IHSS Group 900-12, East Trenches	
Forwards/submits the attached [000813] copy of the Final Closeout Report for IHSS Group 900-12, East Trenches T-5, T-6, T-8, T-9A, T-9B, T-10 and T-11. Previous comments have been incorporated and the document was approved by the US Environmental Protection Agency (EPA) on February 23, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000812.pdf	68 KB
BZ-A-000813	2/23/2005
Closeout Report for IHSS Group 900-12 East Trenches,T-5, T-6,T-8,T-9A,T-9B,T-10, T-11	
This Closeout Report summarized the characterization and Accelerated Action Activities conducted at Individual Hazardous Substance Site IHSS Group 900-12 at the Rocky Flats Environmental Technology Site (RFETS/Site). This IHSS Group, which is part of the East Trenches area, consists of seven trenches: T-5, (IHSS NE-111.2), T-6, (IHSS NE-111.3), T-8, (IHSS NE-111.5) T-9A, (IHSS NE-111.6a), T-9B, (IHSS NE-111.6b), T-10 (IHSS NE-111.7), T-11, (IHSS NE-111.8). This Closeout report addresses only the aforementioned IHSSs. Other trenches in the East Trenches area including T-3, T-4 and T-7 will be addressed in updates to the Historical Release Report (HRR).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000813.pdf	7 MB
BZ-A-000814	3/1/2005
Submits the Final Draft ER RSOP Notification 05-05, IHSS Group NE-1	
Submits: the attached [000815] copies of the Draft Environmental Restoration RFCA Standard Operating Protocol (ER RSOP), Notification 05-05 for Individual Hazardous Substance Site IHSS Group NE-1, Potential Area of Concern (PAC), NW-1505, North Firing Range. This document is on the agenda for discussion at the meeting schedule on March 3rd.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000814.pdf	65 KB
BZ-A-000815	2/1/2005
ER RSOP for Routine Soil Remediation FY05 Notification 05-05 IHSS Group NE-1, PAC NW-1505	
This Environmental Restoration (ER) Rocky Flats Cleanup Agreement (RFCA), US Department of Energy (DOE et al. 2003) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), for Routine Soil Remediation (ER RSOP) (DOE 2004a) Fiscal Year (FY) 2005 (FY05), Notification addresses the remediation of a Potential Area of Concern (PAC). The purpose of this notification is to envoi the ER RSOP for IHSS Group NE-1, PAC NW-1505, referred to as the North Firing Range.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000815.pdf	5 MB

BZ-A-000816	1/3/2005
South Target Area (East Firing Range) Backfill IHSS 900-11	
Purpose of Contact: South Target Area (East Firing Range) Backfill. Project Revision: Eliminate imported backfill for South Target Area. In lieu of placing imported backfill, the project team and US Fish and Wildlife Service (FWS), staff agreed to grade the perimeter of the excavation to eliminate vertical cuts and immediately seed and place erosion mats.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000816.pdf	78 KB
BZ-A-000817	3/2/2005
Forwards/submits The Final NFAA Justification Addendum for Trench T-7; NE-2; IHSS 111.4	
Forwards/submits the copies of the Final No Further Accelerated Action (NFAA) Justification Addendum for Trench T-7; NE-2, IHSS 111.4. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on February 23, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000817.pdf	886 KB
BZ-A-000818	2/24/2005
900-2 Oil Burn Pit VOC ALs, IHSS 153	
Purpose of Contact: The Oil Burn Pit area, Individual Hazardous Substance Site IHSS 153, contains Volatile Organic Compound (VOCs) in addition to the Polychlorinated Biphenyl (PCB), contamination currently being remediated. These VOC contaminated soils are acting as a source for groundwater contaminated. These contamination in this area. It was agreed that these would also be remediated to the Wildlife Refuge Worker (WRW), ALs.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000818.pdf	49 KB
BZ-A-000819	2/24/2005
Authorization to begin 903 Pad VOC Characterization, IHSS 140	
Purpose of Contact: Authorization to begin 903 Pad Project Authorization Directive (PAD), Volatile Organic Compound (VOC) Characterization IHSS 140. It was agreed that characterization of the 903 Pad VOC contamination would begin in accordance with the Draft Sampling and Analysis Plan addendum while it is in review.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000819.pdf	56 KB
BZ-A-000820	1/13/2005
Closure of Sanitary Sewer Lines and System	
Purpose of Contact: Closure of Sanitary Sewer Lines and System, manholes and other system components (such as lift stations, tanks, slabs, etc) associated with the Sanitary Sewer System and Sewage Treatment Plant (Building 995 Area) will be documented in the Building 995 Area Decontamination and Decommissioning (D&D) closeout report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000820.pdf	81 KB

BZ-A-000821	1/12/2005
Backfill of Trench 7 Hotspot at IHSS Group 900-12	
Purpose of Contact: Backfill of Trench 7 Hotspot at Individual Hazardous Substance Site IHSS Group 900-12. The northern and southern confirmation samples collected at the boundaries for the eastern hotspot at Trench 7 (original samples location CZ41-011) came back above action levels.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000821.pdf	62 KB
BZ-A-000822	2/17/2005
Forwards/submits: the Final Closeout Report for IHSS Group 900-11 IHSS 112 903 PAD	
Forwards/submits: the Final Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, IHSS 112, 903 Project Authorization Directive (PAD). Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA), on January 13, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000822.pdf	83 KB
BZ-A-000823	3/8/2005
Forwards/submits The Final Addendum NFAA Justification for Trenches T-3 and T-4 IHSS 110	
Forwards/submits the copies of the Final Addendum to the No Further Accelerated Action (NFAA), Justification for Trenches T-3 and T-4 IHSS 110. Previous comments have been incorporated and the document was approved by the US Environmental Protection Agency (EPA) on March 7, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000823.pdf	668 KB
BZ-A-000824	1/21/2005
Excavation and confirmation sample depths at Pond Remedial Actions	
Purpose of Contact: Excavation and confirmation sample depth at Pond Remedial Actions. Top of sediment for Pond Remedial Actions will be calculated based on the pre-remedial action sediment elevation at the edge of the pond. Excavation depths and depths for confirmation samples will be calculated based on the difference in elevation between the previously calculated top of pond sediment and sample elevation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000824.pdf	95 KB
BZ-A-000825	3/14/2005
Forwards/submits The Final IABZ SAP Addendum IABZ-05-02,903 PAD VOCs IHSS 112	
Forwards/submits: the attached [000826] copy of the Final Industrial Area (IA) Buffer Zone Sampling and Analysis Plan (BZSAP), Addendum IABZ-05-02 for the 903 Project Authorization Directive (PAD), Volatile Organic Compounds (VOCs). Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on March 7, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000825.pdf	66 KB
BZ-A-000826	3/7/2005
IA and BZSAP Addendum, IABZ-05-02 903 PAD VOCs	

This Industrial Area (IA) Buffer Zone Sampling and Analysis Plan (BZSAP), (IABZSAP) Addendum BZ-05-02, 903 PAD VOCs, includes specification to conduct additional soil sampling at the 903 Pad (Individual Hazardous Substance Site [IHSS] 112) during Fiscal Year (FY) 05.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000826.pdf

734 KB

BZ-A-000827

3/15/2005

Forwards/submits the Final Closeout Report for IHSS Group 900-11, PAC SE-1602

Forwards/submits: the attached [000828] copies and CD Disc containing Standard Real and Quality Accelerated Action Data of the Final Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, Potential Area of Concern (PAC) SE-1602 East Firing Range and Target Area. Previous comments have been in corporate and the document was approved by US Environmental Protection Agency (EPA) on February 8, 2005.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000827.pdf

177 KB

BZ-A-000828

3/15/2005

Closeout Report for IHSS Group 900-11, PAC SE-1602 East Firing Range and Target Area

This Closeout Report summarizes accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group 900-11, Potential Area of Concern (PAC) SE-1602 the East Firing range Target Area which is located at Rocky Flats Environmental Technology Site (RFETS/Site). Sampling activities were planned and executed in accordance with the Buffer Zone Sampling and Analysis Plan (BZSAP) BZSAP Addendum IA-04-11.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000828.pdf

15 MB

BZ-A-000829

3/24/2005

900-2 IHSS 153 Oil Burn Pit excavation backfill on main excavation staged materials

Purpose of Contact: 900-2 Individual Hazardous Substance Site IHSS 153 Oil Burn Pit excavation backfill on main excavation using staged materials. All soils from the main excavation were removed and packaged as waste. Soils from the 8 to total depth of the excavation was removed and packaged as waste.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000829.pdf

75 KB

BZ-A-000831

3/24/2005

900-2 IHSS 153 Oil Burn Pit remaining excavation Backfill

Purpose of Contact: 900-2 Individual Hazardous Substance Site IHSS 153 Oil Burn Pit remaining excavation backfill. The onsite Volatile Organic Compound (VOC) sample results from the eastern extension excavation and northern extension from that area have all been received and are below Wildlife Refuge Worker (WRW) (Action Levels (ALs). Polychlorinated Biphenyl (PCB) sample results are not yet received but are anticipated to be below action levels based on the earlier results.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000831.pdf

64 KB

BZ-A-000832

3/21/2005

B Ponds - Backfill B-3 Concurrence, IHSS 142.7

Purpose of Contact B Pond Backfill B-3 Concurrence. The Analytical results of the 30 radiological (gamma spectroscopy) confirmation samples collected in the B-3 excavation area show no exceedance above Wildlife Refuge Worker (WRW) Action Level Framework (ALF).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000832.pdf	152 KB
BZ-A-000833	3/28/2005
Present Landfill Drill Seeder Calibration	
Purpose of Contact: Present Landfill Drill Seeder Calibration. Calibration of the Drill seeder to be used to seed the Present Landfill was preformed on March 28, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000833.pdf	66 KB
BZ-A-000834	3/14/2005
RE: Present Landfill design approval IHSS 114	
The Present Landfill design IHSS 114, is approved provided the following required items are delivered in a timely manner, and not later than one week from the date of this approval letter.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000834.pdf	276 KB
BZ-A-000835	3/30/2005
Forwards/submits the Final ER RSOP FY05 Notification 05-05 for IHSS Group NE-1, North Firng Range	
Forwards/submits the attached 000836 of the Final Environmental Restoration (ER) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP), Fiscal Year 05 (FY) Notification 05-05 for Individual Hazardous Substance Site IHSS group NE-1, PAC NW-1505 The North Firing Range. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) March 23, 2005.Agency (EPA) March 23, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000835.pdf	68 KB
BZ-A-000836	3/1/2005
ER RFCA, RSOP for Routine Soil Remediation FY05 Notification 05-05 IHSS NE-1 North Firing Range	
This Environmental Restoration (ER), Rocky Flats Cleanup Agreement (RFCA), (DOE et al. 2003), Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Routine Remediation (ER RSOP) (DOE 2004a). The purpose of this Notification is to invoke the ER RSOP for Individual Hazardous Substance Site IHSS Group NE-1, Potential Area of Concern (PAC) NW-1505, referred to as the North Firing Range.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000836.pdf	4 MB
BZ-A-000837	3/8/2005
B Ponds Backfill B-2 Concurrence	
Purpose of Contact: B Pond Backfill B-2 Concurrence. The analytical results of the 50 radiological confirmation samples collected in the B-2 excavation area show no exceedance above Action Levels (ALs).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000837.pdf	191 KB

BZ-A-000838	4/4/2005
Forwards Present Landfill Accelerated Action Design Specifications Division 2, IHSS 114	
Forwards the Present Landfill Accelerated action Design Specifications Division 2, IHSS 114. These completed the commitments made by US Department of Energy (DOE) to the regulators respective agencies in March 24, 2005, correspondence from DOE to Colorado Department of Public Health and Environment (CDPHE), and US Environmental Protection Agency (EPA). Together with action already completed these enclosures satisfy the seven items set by the EPA in March 14, 2005, correspondence to DOE as conditions for approval of the design of the east face of the Rocky Flats (RF), Present Landfill.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000838.pdf	2 MB
BZ-A-000839	4/7/2005
Submits the Draft Closeout Report for IHSS Group NE-1, B-Ponds	
Submits the attached 000840 Draft Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, B-Ponds. Kaiser-Hill Company, L.L.C. (K-H) will schedule a meeting the week of April 18, 2005 to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000839.pdf	68 KB
BZ-A-000840	4/7/2005
Draft Closeout Report for IHSS Group NE-1, B-Ponds	
Draft Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, B-Ponds, [IHSS NE-142.5], B-2, [IHSS NE-1, 142.6], and B-3, [IHSS NE-142.7]. This Closeout Report addresses on the sites cover under Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification 04-11, (DOEa).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000840.pdf	12 MB
BZ-A-000841	5/5/2005
Forwards/Submits the Draft Closeout Report for IHSS Group NE-1, North Firing Range, PAC NW-1505	
Forwards/Submits the attached 000842 of the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, North Firing Range Potential Area of Concern (PAC) NW-1505. Remediation, Industrial Building D&D and Site Services Project, RISS, will contact the regulators to schedule a meeting the week of May 16, 2005 to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000841.pdf	94 KB
BZ-A-000842	5/1/2005
Draft Closeout Report for IHSS Group NE-1, North Firing Range PAC NW-1505	
This Closeout Report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group NE-1 at Rocky Flats Environmental Technology Site (RFETS/Site). IHSS Group NE-1 consists of the A-, B-, C Series retention ponds and the North Firing Range. However, this Closeout Report addresses only the site covered under Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification 05-05 (DOE 2005a), PAC NW-1505, North Firing Range.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000842.pdf	7 MB
BZ-A-000843	5/12/2005
Closeout Report for IHSS Group NE-1	
This Closeout Report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group NE-1 at Rocky Flats Environmental Technology Site (RFETS/Site)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000843.pdf	14 MB
BZ-A-000844	5/16/2005
Submit the Draft Closeout Report for IHSS Group 900-2	
Submits the attached 000846 copies of the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 900-2. Kaiser-Hill Company, L.L.C. (K-H) will contact the regulators to schedule a meeting the week of May to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000844.pdf	68 KB
BZ-A-000845	5/17/2005
Submits the Final Closeout Report for IHSS Group NE-1, B-Ponds (B-1, B-2, and B-3)	
Submits the attached 000843 Final Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, (B-1, B-2, and B-3), for the regulators files. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on May 12, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000845.pdf	65 KB
BZ-A-000846	5/1/2005
Draft Closeout Report for IHSS 900-2	
This Closeout Report summarizes characterization and Accelerated Action Activities conducted at (AAA) Individual Hazardous Substance Site IHSS Group 900-2 at the Rocky Flats Environmental Technology Site (RFETS/Site). IHSS Group consists of IHSS 900-153 Oil Burn Pit No 2, and IHSS 900-154 Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000846.pdf	13 MB
BZ-A-000847	2/15/2005
B Ponds Backfill B-1 Concurrence IHSS 142.5	
Purpose of Contact: B Ponds Backfill B-1 Concurrence. The analytical result of the 51 confirmation samples collected in the B-1 excavation area show no exceedance above Action Levels (ALs). Therefore, Kaiser-Hill Company, L.L.C. (K-H) purpose to backfill B-1 with clean on-site soils in accordance with the Army Corps of Engineers (COE) individual 404 permit. No soil from the B Pond dams will be used as backfill wetland restoration of B-1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000847.pdf	66 KB

BZ-A-000848	4/12/2005
Backfill at North Firing Range	
Purpose of Contact: Backfill at North Firing Range. The three areas of elevated lead were remediated at the North Firing Range as indicated by onsite XRF samples results that are all below action levels. Base on this information, backfill was performed, primarily during culvert removal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000848.pdf	55 KB
BZ-A-000849	2/21/2005
B Ponds Emergency Backfill B-2, IHSS 142.6	
B Ponds Emergency Backfill B-2. Over the previous weekend (February 19-20, 2002) the north and south side slopes at the East End of B-2 have become unstable. The slopes show up slope cracks bulging at the toe of the slope, which are classic signs of a rotational failure.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000849.pdf	78 KB
BZ-A-000850	3/31/2005
900-2 IHSS 153 Oil Burn Pit remaining excavation backfill	
The 900-2 Individual Hazardous Substance Site IHSS 153 Oil Pit remaining excavation backfill. An additional two feet of soil was removed from the floor of the main area of the eastern extension of the Oil Burn Pit.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000850.pdf	61 KB
BZ-A-000851	5/9/2005
RE: Applicability of Part 2 Siting Requirements (6 CCR 700-2) to the Present Landfill	
RE: Applicability of Part 2 Siting Requirements (6 Colorado Code of Regulations (CCR) 1007-2), to the Present Landfill. It is the position of Colorado Department of Public Health and Environment (CDPHE) that the State's Part 2 Siting Requirements are generally applicable to the Present Landfill. In a letter dated August 9, 2004, US Department of Energy (DOE) agrees to perform a review of the design elements of the Present Landfill against these requirements. This review was to be independent of the approval of the Interim Measures / Interim Remedial Action (IM/IRA) decision document and was to be assisted by CDPHE.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000851.pdf	511 KB
BZ-A-000852	8/25/2003
NFAA Justification for Ash Pit PAC Ref: dated June 11, 2003, T-7, May 21, 2003, T-3 and T-4	
This is in response to US Department of Energy (DOE) letter dated June 29, 2003, requesting clarification on the letter from US Environmental Protection Agency (EPA) dated June 12, 2003, letter regarding No Further Accelerated Action (NFAA) Justification for Ash Pits PAC Reference Number(s) SW-133.1, SW-133.2, SW-133.4, and 1702, (dated June 11, 2003), NFAA Justification for Trench T-7 PAC Reference Number: NE-111.4 (dated May 21, 2003, NFAA Justification Trenches T-3 and T-4 PAC Reference Number: 1111.1 (dated may 21, 2003). In the June 12, 2003, letter EPA provided it's approval of NFAA for the Ashpits, and Trenches T-3 T-4 and T-7.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000852.pdf	85 KB

BZ-A-000853	2/28/1995
Bioassessment Physical/Chemical Characterization Walnut Creek and Woman Creek	
A bioassessment and an analysis of the physical and chemical characteristics of Walnut and Woman Creeks within the boundaries of the Rocky Flats Environmental Technology Site (RFETS/Site) was conducted to compare the overall ecologic health of Woman Creek between Pond A-4 and Indiana Street to an analogous reach of Woman Creek.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000853.pdf	6 MB
BZ-A-000854	6/14/2005
Submits of Closeout Report for 995 Complex and Sanitary Sewer System	
Submits the attached [000855] Closeout Report for the Type 1 facility 995 Complex. The complex consisted of concrete block, concrete, and structural metal buildings, approximately 21, 140 total square feet.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000854.pdf	67 KB
BZ-A-000855	6/14/2005
Instruction for Completion of Type 1 Facility Closeout Report for Building 995	
Instruction for Completion of Type 1 Closeout Report for Building 995, concrete Block, concrete, and structural mental buildings 21, 140 total sq. ft. Date of Demolition, December 12, 2004 through April 1, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000855.pdf	2 MB
BZ-A-000856	6/14/2005
REPLACEMENT PAGES CONTAINED IN THE CLOSEOUT REPORT FOR IHSS GROUP NE-1, B PONDS (B-1, B-2 and B-3)	
The purpose of these replacement pages is to correct information contained in the Closeout Report for IHSS Group NE-1, B Ponds.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000856.pdf	1 MB
BZ-A-000858	7/14/2005
Authorization to begin sediment sampling at Pond B-4	
Purpose of Contact: Sediment sampling at Pond B-4 will begin as discussed in the Biweekly Coordination Meeting on July 6, 2005 and as described in the Draft NE-1 Sampling and Analysis Plan (SAP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000858.pdf	80 KB
BZ-A-000859	6/3/2005
Modification to the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Procedure (RSOP)	

Justification for a Minor Modification to the Rocky Flats Cleanup Agreement (RFCA) Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for the Consolidated Water Treatment Facility: Treatment and Disposal of Remediation Derived Wastewaters.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000859.pdf	79 KB
BZ-A-000860	6/14/2005
Transmittal of the Final Closeout Report for IHSS Group NE-1 North Firing Range	
Final Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, North Firing Range for Regulators files. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on June 13, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000860.pdf	204 KB
BZ-A-000861	6/13/2005
Closeout Report for IHSS Group NE-1	
This Closeout Report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group NE-1 at the Rocky Flats Environmental Technology Site (RFETS/Site) in Golden, Colorado. IHSS Group NE-1 consists of the A-, B-, C- Series retention ponds and the North Firing Range. However, this Closeout Report addresses only the site covered under Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification #05-05 (DOE 2005a), Potential Area of Concern (PAC) NW-1505 the North Firing Range.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000861.pdf	6 MB
BZ-A-000862	6/14/2005
Forwards/submit the Final Closeout Report for IHSS Group 900-2	
Forwards/submit the attached (000863) Final Closeout Report for Individual Hazardous Substance Site IHSS Group 900-2 for Colorado Department of Public Health and Environment (CDPHE) files. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on June 13, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000862.pdf	321 KB
BZ-A-000863	6/13/2005
Closeout Report for IHSS 900-2	
Closeout Report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site IHSS Group 900-2 at the Rocky Flats Environmental Technology Site (RFETS/Site) in Golden, Colorado. IHSS Group 900-2 consists of IHSS 900-153- Oil Burn Pit No. 2 and IHSS 900-154 - Pallet Burn Site.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000863.pdf	10 MB
BZ-A-000864	6/29/2005
Summarize the Present Landfill Accelerated Action meeting with DOE, K-H, EPA, CDPHE	

Purpose of Contact to summarize the Present Landfill Accelerated Action, meeting discussion with US Department of Energy (DOE), Kaiser-Hill Company, L.L.C. (K-H), US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE). In light of differences between the approved design for the East Face of the Present landfill, and the as-built conditions, EPA requested information to determine whether slope stability has been preserved.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000864.pdf	127 KB
BZ-A-000865	8/8/2005
Forwards/submit the Draft AAEE for the North Firing Range IHSS Group NE-1	
Forwards/submit the attached 000873 for Draft Accelerated Action Ecological Evaluation for the North Firing Range. Kaiser-Hill Company, L.L.C. (K-H) will contact the regulators to schedule a meeting the week of August 15th to resolve comments and finalize the text.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000865.pdf	105 KB
BZ-A-000866	8/1/2005
East Trenches Groundwater Treatment System	
Kaiser-Hill Company, L.L.C. (K-H) has informed the US Department of Energy (DOE) Rocky Flats Project Office (RFPO), that the East Trenches groundwater treatment system is no longer fully operational, due to clogging and solidification of the treatment medium. The purpose of this memorandum is to direct K-H to make the necessary repairs to make to the system fully operational.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000866.pdf	325 KB
BZ-A-000867	10/10/2005
Forwards/submit the White Paper Results Groundwater IM/IRA 903 PAD Volatile Organic Compound Investigation	
Forwards/submit the copies of the transmittal of the White Paper Results of Groundwater Interim Measures / Interim Remedial Action (IM/IRA) 903 PAD Volatile Organic Compound (VOC) Investigation. IHSS Group 900-11.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000867.pdf	6 MB
BZ-A-000868	8/18/2005
Pond B-4 Sampling	
Purpose of Contact: Results of the recent Pond B-4 sediment sampling showed 1 interval at one location (DB47-004 in the northeastern portion of the pond near the dam), with an elevated Plutonium (Pu) activity of 217 pCi/g.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000868.pdf	73 KB
BZ-A-000869	7/21/2005
Submits Building 995/Sanitary Sewer Closeout Report Response	

Submits the attached 000870 in response to the electronic correspondence from Colorado Department of Public Health and Environment (CDPHE), dated July 8, 2005 (attached), the Closeout Report for Building 995 has been revised. The revised report addresses the 12 areas of concern identified in his message.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000869.pdf 2 MB

BZ-A-000870

9/15/2005

Forwards the Final Closeout Report for IHSS Group 000-5 Present Landfill

Forwards the US Department of Energy (DOE) Rocky Flats Project Office (RFPO) is transmitting to the regulators copies of the Final Closeout Report for Individual Hazardous Substance Site IHSS Group 000-5 Present Landfill (IHSS-114), which includes the Final Construction Report Accelerated Action (AA) Closure of the Present Landfill.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000870.pdf 75 KB

BZ-A-000871

9/28/2005

Forwards the Landfill Monitoring and Maintenance Plan, at RFETS, Present Landfill

Forwards the US Department of Energy (DOE), Rocky Flats Project Office (RFPO) is transmitting to the regulators a copy of the Landfill Monitoring and Maintenance Plan, at Rocky Flats Environmental Technology Site (RFETS/Site).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000871.pdf 64 KB

BZ-A-000872

10/4/2005

Forwards the Draft Closeout Report for IHSS Group 000-5 Present Landfill

Forwards the US Department of Energy (DOE), Rocky Flats Project Office (RFPO) is transmitting the regulators copies if the Final Response to comments on the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 000-5 Present Landfill (IHSS-114), which includes the Final Construction Certification Report - Accelerated Action (AA) Closure of the Present Landfill.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000872.pdf 2 MB

BZ-A-000873

8/8/2005

Agency Draft AAE Risk Evalution North Firing Rang IHSS Group NE-1

The purpose of this document is to provide a summary of Potential Ecological Risk for the Individual Hazardous Substance Site IHSS Group NE-1 North Firing Range Potential Area of Concern (PAC NW-1505) within the No Name Gulch Draining Exposure Unit (NNEU). The Draft Closeout Report for the North Firing Range was submitted for review in May 2005.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000873.pdf 6 MB

BZ-A-000874

6/22/2005

Forwards the Present Landfill Accelerated Action Closeout Report, IHSS 114

Forwards the attached 000875 copies of the Present Landfill Accelerated Action (AA), Closeout Report which includes the Present Landfill Construction Certification Report as an enclosure.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000874.pdf	83 KB
BZ-A-000875	6/22/2005
Draft Closeout Report for IHSS Group 000-5 Present Landfill [114}	
This Closeout Report summarizes Accelerated action activities conducted at Individual Hazardous Substance Site IHSS at Rocky Flats Environmental Technology Site (RFETS/Site). IHSS Group 000-5 consists of the Present Landfill (PLF), IHSS 114.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000875.pdf	10 MB
BZ-A-000876	9/26/2005
Water monitoring at the Ash Pits	
Purpose of Contact: This Contact Record documents the results of continuing discussions with the Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA), regarding Water monitoring at the Ash Pits. Conditions at the Ash Pits have been documented and provided to these agencies in the Ash Pits Groundwater Contamination Summary Report (K-H, September 8, 2005).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000876.pdf	109 KB
BZ-A-000877	6/27/2005
Submits 903 Pad Area Groundwater Quality Enhancement using HRC	
Purpose of Contact: As described in the Final Groundwater (GW), Interim Measures / Interim Remedial Action (IM/IRA), and Hydrogen Release Compound will be inserted into the area of the 903PA remedial action through Geoprobe or similar type boreholes (insertion holes) in three arcs through the eastward draining paleochannel that is the primary groundwater flow path for this area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000877.pdf	108 KB
BZ-A-000878	7/6/2005
Authorization to begin sediment sampling at Pond A-5	
Purpose of Contact: It was agreed that sediment sampling at Pond A-5 would begin as discussed in the Biweekly coordination Meeting on July 6, 2005. Location for this very small pond will be as described in the Draft Sampling and Analysis Plan (SAP) for the Ponds provided earlier.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000878.pdf	143 KB
BZ-A-000879	7/14/2005
Authorization to begin sediment sampling at Ponds A-2 and C-1	
Purpose of Contact: Sediment sampling at Ponds A-2 and C1 will begin as discussed in the Biweekly Coordination Meeting on July 6, 2005 and as described in the NE-1 Sampling and Analysis Plan (SAP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000879.pdf	71 KB
BZ-A-000880	9/22/2005

Documentation of CRA Ecological Risk Characterization Format	
<p>Purpose of Contact: During the preparation of the pre-draft Comprehensive Risk Assessment volumes, several meetings and conference calls were held to discuss the format for Presenting Ecological Risk Characterization results for Exposure Units at Rocky Flats Environmental Technology Site (RFETS/Site). The purpose of this Contact Record is to documents the format for presenting the Hazard Quotient (HQ) assessments that was agreed upon by the CRA Team and the regulatory agencies during a conference call on September 14, 2005.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000880.pdf	112 KB
BZ-A-000881	9/9/2005
Completion of HRC Enhancements at the 903 Pad and Ryan's Pit areas	
<p>Purpose of Contact: Completion of Historical Release Center (HRC) Enhancements at the 903 Pad and Ryan's Pit areas. As described in the Interim Measures / Interim Remedial Action (IM/IRA) for Groundwater at Rocky Flats Environmental Technology Site (RFETS/Site), (GW IM/IRA)(DOE, 2005), Amendments were to be added directly into the subsurface downgradient of the remedial action areas for the 903 Pad and Ryan's Pit areas to enhance or improve the naturally occurring biodegradation of Volatile Organic Compounds (VOCs) and enhance groundwater quality.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000881.pdf	619 KB
BZ-A-000882	9/12/2005
Submits RE: Ecological Screen for the North Firing Range, PAC NW-1505, dated July 2005	
<p>Submits an Ecological Screen for the North Firing Range Potential Area of Concern (PAC) NW-1505, dated July 2005 for review. Kaiser-Hill Company, L.L.C. (K-H) is rescinding this Ecological Screen because of the information and analysis was superseded by Comprehensive Risk Assessment Volume 6, No Name Gulch Exposure Unit, which was delivered to US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE), on August 5, 2005.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000882.pdf	77 KB
BZ-A-000883	11/8/2005
Submits the Final IABZSAP Addendum 05-06 IHSS Group NE-1 additional Sampling of RFETS Pond sediment	
<p>Submits the attached 000897 copies of the Final Industrial Area (IA) Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum IABZ-05-06 for IHSS Group NE-1, additional sampling of Rocky Flats Environmental Technology Site (RFETS/Site) Pond Sediment, for the regulators files. Previous comments have been incorporated and the document was approved by US Environmental Protection Agency (EPA) on July 20, 2005.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000883.pdf	71 KB
BZ-A-000884	8/11/2005
North Firing Range Final Configuration	
<p>Purpose of Contact: As described in Sampling and Analysis Plan (SAP) Addendum for Potential Area of Concern (PAC) NW-1505-North Firing Range, the firing range was constructed in 1983 and upgraded in 1993 to a cover ricochet proof structure.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000884.pdf	137 KB

BZ-A-000885	1/13/2005
RE: Closeout Report for IHSS Group 900-11, - Approval	
The US Environmental Protection Agency (EPA) has reviewed the Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, IHSS 900-155, Lip Area and IHSS 900-140, Hazardous Disposal Area reference document. Recent Comment Resolution meeting were successful in addressing outstanding issues for EPA, and the Colorado Department of Public Health and Environment (CDPHE). As a result, EPA approves the document pursuant to the changes proposed at the Comment Resolution meeting.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000885.pdf	56 KB
BZ-A-000886	9/12/2005
Groundwater in the Solar Evaporation Ponds and East Trenches Areas	
Purpose of Contact: As described in the Interim Measures / Interim Remedial Action (IM/IRA) for Groundwater at Rocky Flats Environmental Technology Site (RFETS/Site) (GW IM/IRA)(DOE, 2005), implementation of phytoremediation technologies in the steep and unstable, narrow downgradient of the Solar Ponds Plume and East Trenches Plume groundwater treatment system took place in Spring 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000886.pdf	569 KB
BZ-A-000887	7/6/2005
Authorization to begin Sediment Sampling at Ponds A-1 and C-2	
Purpose of Contact: It was agreed that sediment sampling at Ponds A-1 and C-2 would begin as discussed in the Biweekly Coordination Meeting on July 6, 2005. Modified locations will based on the surface and topological features seen in the field as well as sampling near the inlet and deepest locations of these ponds.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000887.pdf	225 KB
BZ-A-000889	11/22/2005
RE Construction Completion and Certification Report for Present Landfill (September 2005)	
The Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA) have reviewed the Construction Certification Report for the Present Landfill. The report is signed by the Construction Quality Assurance Engineer, a registered professional engineer, and documents that are regulated unit has been closed in accordance with the approved closure plan. (Present Landfill Interim Measures / Interim Remedial Action IM/IRA and accelerated action design documents).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000889.pdf	137 KB
BZ-A-000890	11/22/2005
RE: Applicability of Part 2 Siting Requirements (6 CCR 1007-2) to the Present Landfill	

The Colorado Department of Public Health and Environment (CDPHE) required an analysis of the applicability of the State's Part 2 Siting Requirements to the Present Landfill in CDPHE letter to US Department of Energy (DOE) on May 5, 2005. The attached review has submitted by the DOE in fulfillment of that requirement. CDPHE have determined that the analysis is acceptable and request that it be replace into the CERCLA Administrative Record (AR).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000890.pdf

649 KB

BZ-A-000891

8/16/2005

Lip Area Boundary Remediation

Five locations were identified above Rocky Flats Cleanup Agreement (RFCA) action levels during the Final Survey surface radiological characterization project. Each area will be excavated in a 33-foot diameter (10-meter) circle centered on the coordinate.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000891.pdf

78 KB

BZ-A-000892

9/22/2005

(USACE) Nationwide Permit NO. Corps File NO. 200580337 Certificate of Completion

Enclosed is the US Army Corps of Engineers (USACE) Certificate and Completion for the C-2 Pond Outlet Works Upgrade. Wetland impacts resulting from project were covered under Nationwide Permit NO. Corps File NO. 200580337.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000892.pdf

108 KB

BZ-A-000893

8/4/2005

August 4, 2005 Comments Resolution Meetings BZCR HRR, 800 Area HRR UBC HRR Write ups

Purpose of Contact: A meeting was held on August 4, 2005 to discuss the BZCR HRR Write ups, 800 Area HRR Write ups, and UBC HRR Write ups.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000893.pdf

270 KB

BZ-A-000894

5/12/2005

Metals White Paper North Firing Range Closeout Report

Purpose of Contact: A meeting was held on May 12, 2005 to discuss the Metals White Paper and the North Firing Range Closeout Report.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000894.pdf

359 KB

BZ-A-000895

9/9/2005

Determination of Elemental Concentration of Cu, Pb in Soil by X-Ray Fluorescence Spectrometry

Determination of Elemental of concentration of Copper (Cu) and Lead (Pb) in soil by x-ray Fluorescence Spectrometry MCLine Project Number KAM001690, dated September 9, 2005. Analytical Results Data Package, North Firing Range, Potential Area of Concern (PAC) NW-1505. PAC NW-1505, North Firing Range, XRF soil results, NFR, field results, for NFR soil.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000895.pdf

1 MB

BZ-A-000896	10/13/2005
Submits Documentation of K-H work performed in the 903 Lip Area	
Submits this letter with the enclosed map documents the work Kaiser-Hill Company, L.L.C. (K-H) performed at the US Department of Energy (DOE) request in response Oak Ridge Institute for Science and Education (ORISE) independent verification in the 903 Lip Area. Based on Rocky Flats Project Office (RFPO) direction and the Rocky Flats Cleanup Agreement (RFCA) Parties letter of September 27, 2005, Kaiser-Hill Company, L.L.C. (K-H) completed the removal of the areas with "elevated" levels of plutonium as delineated by ORISE and K-H.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000896.pdf	132 KB
BZ-A-000897	11/8/2005
IA and BZSAP Addendum IABZ-05-06 IHSS Group NE-1 additional Sampling of RFETS Pond Sediment	
This Industrial Area (IA) Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum BZ-05-06 includes specifications to conduct additional sediment sampling at Rocky Flats Environmental Technology Site (RFETS/Site) Ponds within Individual Hazardous Substance Site IHSS Group NE-1 during Fiscal Year (FY) 05.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000897.pdf	2 MB
BZ-A-000898	10/27/2005
Submits the Final Data Summary Report for IHSS Group NE-1	
Submits the attached 000899 copies of the Final Summary Report for Individual Hazardous Substance Site IHSS Group NE-1 (Ponds A-A, A-2, A-3, A-4, A-5, B-4, B-5, C-1, C-2) for the regulators files. Previously comments have been incorporated and the document was approved by US Environmental Protection and Agency (EPA) on October 18, 2005.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000898.pdf	69 KB
BZ-A-000899	10/1/2005
Data Summary Report for IHSS Group NE-1	
This Data Summary Report summarizes characterization activities conducted at Individual Hazardous Substance Site IHSS Group NE-1 at the Rocky Flats Environmental Technology Site (RFETS/Site). Results are compared to Wildlife Refuge Worker (WRW) Action Levels (ALs) described in the Rocky Flats Cleanup Agreement (RFCA) (DOE et al. 2003).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000899.pdf	20 MB
BZ-A-000900	1/6/2005
Discuss the Draft Closeout Report for IHSS Group 900-11, East Firing Range	
Purpose of Contact: A meeting was held on January 6, 2005 to discuss Boundary changes and the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 900-11, East Firing Range.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000900.pdf	210 KB
BZ-A-000901	1/19/2005

Forwards Final Draft Landfill Monitoring and Maintenance Plan and Post-Closure	
Forwards the attached 000904 copy of the Final Draft Landfill Monitoring and Maintenance Plan Post Closure Plan for the Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill. CDPHE comments that have been received to date have been addressed in this document.Site (RFETS/Site) Present Landfill. CDPHE comments that have been received to date have been addressed in this document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000901.pdf	70 KB
BZ-A-000902	1/10/2001
CDPHE BZ Report, Rocky Flats Response to Concerns	
This document was prepared by the Rocky Flats Environmental Technology Site (RFETS/Site) for presentation at the Colorado Department of Public Health and Environment (CDPHE), and US Environmental Protection Agency (EPA), Site meeting on January 10, 2001. The purpose of this meeting was to reach agreement on all areas identified by the CDPHE Buffer Zone Report as being of possible environmental concern. Buffer Zone, Contamination Review Technical Report, contamination areas within the BZ, Potential Area of Concerns (PACs), Individual Hazardous Substance Site IHSS additional environmental concern.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000902.pdf	2 MB
BZ-A-000903	8/1/2002
Appendix A, Landfill Engineering 95% Design Revision 1, Evaluation Landfill Gas Generation	
Appendix A, Landfill Engineering 95% Design Revision 1, Evaluation of Landfill Gas Generation. Landfill Present landfill, gas collection system, venting, passive vents, air emissions and methane emission.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000903.pdf	1 MB
BZ-A-000904	1/1/2006
Final Draft Landfill Monitoring and Maintenance Post Closure Plan, RFETS Present Landfill	
This Monitoring and Maintenance Plan has been prepared for the Present Landfill Individual Hazardous Substance Site [IHSS] 114) at the Rocky Flats Environmental Technology Site (RFETS/Site).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000904.pdf	4 MB
BZ-A-000905	12/9/2005
Self Assessment on Business Management Oversight Performance Measures for Fiscal Year 2005 (FY05)	
Enclosed for US Department of Energy (DOE) review is the Fiscal Year (FY) 05 Balanced Scorecard Report for Kaiser-Hill Company, L.L.C. (K-H) (Enclosure 1). The report consolidates the results of the activities and achievements for both the Subcontracts Management and Procurement Systems organizations.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000905.pdf	421 KB
BZ-A-000906	8/1/2004
Final IM/IRA for IHSS 114 and RCRA Closure of the RFETS Present Landfill	

This Interim Measures / Interim Remedial Action (IM/IRA) decision document address the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) remediation and Resource Conservation and Recovery Act (RCRA) Closure of the Present Landfill (Individual Hazardous Substance Site [IHSS] 114) and the East Landfill Pond (also know as Operable Unit [OU] 7) at Rocky Flats Environmental Technology Site (RFETS/Site).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000906.pdf

28 MB

BZ-A-000907

2/23/2005

RE: Closeout Report for IHSS Group 900-12, East Trenches -Approval

The US Environmental Protection Agency (EPA) has completed review of the Closeout Report for Individual Hazardous Substance Site IHSS Group 900-12, East Trenches T-5, T-6, T-8 T-9a, T-9b, T-10, and T-11, referenced document. The redline/strikeout version of the document incorporated all out standing issues for EPA. As results, EPA approves the Closeout Report for IHSS Group 900-12, East Trenches T-5, T-6, T-8, T-9a, T-9b, T-10, and T-11.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000907.pdf

52 KB

BZ-A-000908

6/13/2005

RE: Closeout Report for IHSS 900-2- Approval

Individual Hazardous Substance Site IHSS Group 900-2 document. Recent Comment Resolution meetings were successful in addressing outstanding issues for the EPA and the Colorado Department of Public Health and Environment (CDPHE). Therefore, EPA approves the document with incorporated of the change proposed at the Comment Resolution meetings

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000908.pdf

55 KB

BZ-A-000909

5/12/2005

RE: Closeout Report for IHSS Group NE-1, B-Ponds (B-1, B-2, B-3)- Approval

The US Environmental Protection Agency (EPA) has review the Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1 document. Recent Comment Resolution meetings were successful in addressing outstanding issues for the EPA and the Colorado Department of Public Health and Environment (CDPHE). Therefore, EPA approves the document with incorporated of the change proposed at the Comment Resolution meetings

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000909.pdf

51 KB

BZ-A-000910

2/23/2005

RE: Draft Addendum NFAA Justification for Trench T-7

The US Environmental Protection Agency (EPA) has completed review of the Draft Addendum No Further Accelerated Action (NFAA) Justification for Trench T-7 referenced document. EPA has no comments on the Draft document. As result, EPA approves the above referenced document

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000910.pdf

55 KB

BZ-A-000911

6/9/2005

The Draft Closeout Report for IHSS Group 900-2 and 100 Area HRR Write ups, 300 Area HRR

Purpose of Contact: A meeting was held on June 09, 2005 to discuss the Draft Closeout Report for Individual Hazardous Substance Site IHSS Group 900-2 and 100 Area Historical Release Report (HRR) Write ups, and 300 Area HRR Write ups.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000911.pdf	252 KB
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BZ-A-000912

9/9/2005

Completion of HRC Enhancements at the 903 Pad and Ryan's Pit Areas

Purpose of Contact: Purpose of Contact: As described in the Interim Measures / Interim Remedial Action (IM/IRA) for Groundwater at Rocky Flats Environmental Technology Site (RFETS/Site) (GW IM/IRA) (DOE, 2005), amendments were to be added directly into the surface downgradation of the remedial action areas for the 903 Pad and Ryan's Pit area to enhance or improve the naturally occurring biodegradation of Volatile Organic Compound (VOC) and enhance groundwater quality.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000912.pdf	615 KB
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BZ-A-000913

11/4/2004

The ER RSOP Notification for IHSS Group NE-1

A meeting was held on November 4, 2004 to discuss the Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification for Individual Hazardous Substance Site IHSS Group NE-1.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000913.pdf	115 KB
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BZ-A-000914

7/14/2005

Authorization to begin Sediment Sampling at Ponds A-2 and C-1

Purpose of Contact: Sediment Sampling at Ponds A-2 and C-1 will begin discussed in the Biweekly Coordination Meeting on July 6, 2005 and as described in the Draft NE-1 Sampling and Analysis Plan (SAP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000914.pdf	71 KB
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BZ-A-000915

3/3/2005

FY2005 HRR, Storm Drain NFAA Justification, Sanitary Sewer NFAA Justification, IHSS Group 900-11

Purpose of Contact: A meeting was held on March 3, 2005 to discuss the FY2005 Historical Release Report (HRR), Storm Drain No Further Accelerated Action (NFAA) Justification, Sanitary Sewer NFAA Justification. and Individual Hazardous Substance Site IHSS Group 900-11 Volatile Organic Compounds (VOCs)

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000915.pdf	109 KB
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BZ-A-000916

6/27/2005

903 Pad Area Groundwater Quality Enhancement using HRC

Purpose of Contact: As described in the Final Groundwater (GW) Interim Measures / Interim Remedial Action (IM/IRA), HRC will be inserted into the area of 903 Pad remedial action through Geoprobe or similar type boreholes (insertion holes) in three arcs through the eastward draining paleochannel that is the primary groundwater flow path for this area.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000916.pdf	103 KB
BZ-A-000917	1/20/2005
Consultative Process Meeting-Meeting Notes	
Purpose of Contact: A meeting was held on January 20, 2005 to discuss the Draft Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) Notification for Individual Hazardous Substance Site IHSS Group 900-2.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000917.pdf	122 KB
BZ-A-000918	2/2/2006
CDPHE recently released the Final Draft Landfill Monitoring and Maintenance Plan	
The Colorado Department of Public Health and Environment (CDPHE) recently released the Final Draft Landfill Monitoring and Maintenance Plan and Post-Closure Plan for the Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill for the Thirty-day public comment period.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000918.pdf	1 MB
BZ-A-000919	8/1/2004
Final IM/IRA for IHSS 114 and RCRA Closure of RFETS Present landfill	
The Final Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS 114 and Resource Conservation and Recovery Act (RCRA) Closure of the Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill. (Minor Modification January 2006).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000919.pdf	440 KB
BZ-A-000920	11/1/1998
Final Report Lower Walnut Creek Aquatic Sampling Spring 1998	
The Final Report Lower Walnut Creek Aquatic Sampling Spring 1998. As part of the Big Dry Creek Watershed Group, the cities of Westminster, Broomfield, and Northglenn have conducted a combined Water Quality Monitoring Program on Big Dry Creek since 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000920.pdf	3 MB
BZ-A-000921	7/17/1998
The 24 Benthic Macroinvertebrate samples collected from Big Dry Creek	
Enclosed are the analyses of the 24 benthic Macroinvertebrate samples collected from Big Dry Creek in March and April, 1998. All hess samples replicates and the sweep for a site are recorded on one sata sheet anf composite density is given for the repliccates.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000921.pdf	3 MB
BZ-A-000922	10/1/2003
2001 document Aquatic Communitis and Habitat conditions in three Drainages at RFETS	

An Aquatic monitoring program was initiated by the US Department of Energy (DOE) in the summer of 2001 to document resident Aquatic communities and habitat conditions in the three drainage at Rocky Flats Environmental Technology Site (RFETS/Site).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000922.pdf	3 MB
BZ-A-000923	4/28/2003
Re: Supplemental Biological and Selected Water Quality Data Exploration 1997-2001	
Supplemental Biological and selected Water Quality Data Exploration 1997-2001. In 1999, Wright Water Engineers, Inc. completed an evaluation of chemical, physical and biological data collected from Big Dry Creek during 1997-1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000923.pdf	1 MB
BZ-A-000924	4/6/1995
Rocky Flats Citizens Advisory Board Minutes of Work Session dated April 6, 1995	
Rocky Flats (RF) Citizens Advisory Board Minutes of Work Session dated April 6, 1995. The committee has been working since October 1994 on preparing this work plan, and developing priorities for Board review.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/bz-a-000924.pdf	658 KB
BZ-A-000925	11/6/1997
Meeting Minutes of Work Session RF CAB dated November 6, 1997	
Meeting Minutes of Work Session Rocky Flats Citizen's Advisory Board (CAB) dated November 6, 1997. Agenda: Kaiser-Hill Company, L.L.C. (K-H) performance measures updates from US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) on Rocky Flats Cleanup Agreement (RFCA) milestone setting for FY98, proposed letters on worker retaliation, and safeguards and security issues, Rocky Flats Citizen's Advisory Board (CAB) outreach proposal.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000925.pdf	632 KB
BZ-A-000926	7/7/1998
Meeting Minutes of Work Session RF CAB dated July 7, 1998	
Meeting Minutes of Work Session Rocky Flats Citizen's Advisory Board (CAB) dated July 7, 1998. Agenda: Report in CRESP on survey of area resident recommendation on worker benefits, report on source evaluation of Walnut Creek contamination exceedance. Discussion on planning for CAB community forum.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000926.pdf	280 KB
BZ-A-000927	12/14/1998
Meeting Minutes of Work Session RF CAB dated December 14, 1998	

Meeting Minutes of Work Session Rocky Flats Citizen's Advisory Board (CAB) dated December 3, 1998. Agenda: Low-Level Waste (LLW) following up discussion; leave of absence policy presentation on the National Environmental Policy Act (NEPA) process: Transuranic (TRU) waste contingency storage Environmental Assessment (EA) scoping discussion.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000927.pdf

326 KB

BZ-A-000928

4/19/1999

Meeting Minutes of Study Session RF CAB dated April 19, 1999

Meeting Minutes of Study Session Rocky Flats Citizen's Advisory Board (CAB) dated April 19, 1999. Agenda: Review and approve Request for Proposals for the Community Radiation (ComRad) Program; presentation on sampling protocols/laboratory studies and Quality Assurance (QA) audit for that program; presentation on Trench 1 project budget; discussion continues on low-level Waste (LLW) issues - storage versus disposal

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000928.pdf

282 KB

BZ-A-000929

3/6/2003

Meeting Minutes RF CAB dated March 6, 2003

Meeting Minutes Rocky Flats Citizen's Advisory Board (CAB) dated March 6, 2003 Agenda: Presentation on Cleanup and demolition plans for Building 776; discussion of long term stewardship issues; update on plans for Rocky Flats (RF) Cold War Museum.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000929.pdf

396 KB

BZ-A-000930

10/2/2003

Meeting Minutes RF CAB dated October 2, 2003

Meeting Minutes Rocky Flats Citizen's Advisory Board (CAB) dated October 2, 2003. Agenda: Approval of Recommendation of the Present Landfill Interim Measures / Interim Remedial Action (IM/IRA) document.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000930.pdf

409 KB

BZ-A-000931

11/15/2004

RE: IA and BZ SAP Addendum IABZ-05-01 IHSS Group NE-1 PAC NW-1505 North Firing Range

RE: Industrial Area (IA) and Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum IABZ-05-01, Individual Hazardous Substance Site IHSS Group NE-1 PAC NW-1505 (North Firing Range). The US Environmental Protection Agency (EPA) has reviewed the above referenced document and associated Contact Record dated November 10, 2004 EPA approves the document pursuant to the changes outlined in the Contact Record.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000931.pdf

370 KB

BZ-A-000932

8/23/1999

RF Oversight Unit Technical Report Buffer Zone Contamination Review

Rocky Flats (RF) Oversight Unit Technical Report Buffer Zone Contamination Review. The purpose of this study was intended to be a review of information contained in various documents to ascertain if additional potentially areas might exist in the Buffer Zone, beyond those areas that have currently been identified as Potential Area of Concern (PAC) or Individual Hazardous Substance Site IHSS.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000932.pdf

1 MB

BZ-A-000933

10/18/2005

RE: DSR for IHSS Group NE-1; Ponds A-1, A-2, A-3, A-4, A-5, B-4, B-5, C-1, and C-2 September 2005

The Environmental Protection Agency (EPA), has reviewed the Data Summary Report (DSR) for Individual Hazardous Substance Site IHSS Group NE-1, Ponds A-1, A-2, A-3 A-4, A-5, B-4, B-5, C-1, and C-2, dated September 2005. Recent comments resolution meeting were successful in developing proposed changes for outstanding EPA and Colorado Department of Public Health and Environment (CDPHE) issues related to Wildlife Refuge Worker (WRW) action levels for pond sediments.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000933.pdf

61 KB

BZ-A-000934

6/13/2005

RE: Closeout Report for IHSS Group NE-1, North Firing Range

The US Environmental Protection Agency (EPA) has reviewed the Closeout Report for Individual Hazardous Substance Site IHSS Group NE-1, North Firing Range. Recent comment resolution meetings were successful in addressing outstanding issues for the EPA and the Colorado Department of Public Health and Environment (CDPHE). Therefore, EPA approves the documents with incorporation of the changes proposed at the comment resolution meetings.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000934.pdf

48 KB

BZ-A-000935

4/1/2003

Buffer Zone Contamination Review (Additional Assessment)

This report is an update to Buffer Zone Contamination Review, A review of Information Related to Contamination of the Rocky Flats Buffer Zone, prepared by Colorado Department of Public Health and Environment (CDPHE). The purpose of this report is to follow up on those item noted in the prior and this Site's responses and review additional material to investigate site disturbances, not part of existing Individual Hazardous Substance Site IHSS or areas already designated for action under Rocky Flats Cleanup Agreement (RFCA), to determine it was or will be evaluated relative to potential contamination concerns, and to document their cause, when they have may have occurred and final action taken.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000935.pdf

2 MB

BZ-A-000936

1/13/2005

RE: Closeout Report for IHSS Group 900-11, IHSS 112-903 Pad (903 Drum Storage Area)

The Environmental Protection Agency (EPA) has reviewed the Closeout Report for IHSS Group 900-11; IHSS 112-903 Pad (903 Drum Storage Area). As result EPA approves the document pursuant to the changes proposed at Comment Resolutions meeting.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000936.pdf

55 KB

BZ-A-000937

3/12/2003

Endvision on who owns Buffer Zone mining rights	
Envision on who owns Buffer Zone mining rights? While the gravel mine is on Rocky Flats (RF) property the sub-surface rights are owned by the McKay family, relatives of the Church Family.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000937.pdf	110 KB
BZ-A-000938	9/8/2005
Ash Pits Groundwater Contamination Summary Report IHSS 133	
Ash Pits Groundwater Contamination Summary Report. IHSS 133. March 5, 2003 Colorado Department of Public Health and Environment (CDPHE) provided to US Department of Energy (DOE) via electronic mail an "Assessment of Rocky Flats Environmental Technology Site (RFETS/Site) Ground Water Status and Needs" In This assessment, CDPHE expressed their opinion that the wells at the Ash Pits were not placed in the areas of the highest soil concentrations previously identified at the sites.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000938.pdf	4 MB
BZ-A-000939	5/16/2006
Monitoring and Maintenance/Post-Closure Plan for the Present Landfill at RF IHSS 114	
Colorado Department of Public Health and Environment (CDPHE) appreciate the Rocky Flats Citizen's Advisory Board (CAB) allowing CDPHE to use a part of CAB monthly meeting in March as a public hearing for the proposed Monitoring and Maintenance Post Closure Plan for the Present Landfill at Rocky Flats (RF).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000939.pdf	128 KB
BZ-A-000940	1/1/1993
Buffer Zone Sampling and Analysis Plan, Wide Site Issue	
The Buffer Zone Sampling and Analysis Plan (BZSAP) Wide Site issue. The Draft Buffer Zone Sampling and Analysis Plan (BZSAP) as with all environmental restoration planning for closure of Re-Engineering and Rocky Flats Environmental Technology Site (RFETS/Site), incorporates the Site boundary defined in Rocky Flats Cleanup Agreement (RFCA). In the formal comment period for the draft BZSAP, the US Environmental Protection Agency (EPA) took exception to the exclusion of the 280-acre Wide Site from the document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000940.pdf	180 KB
BZ-A-000941	3/6/2003
Status of the National Wind Technology Center (NWTC)	
Status of the National Wind Technology Center With respect to the National Priorities List. US Department of Energy (DOE) staff provided Rocky Flats (RF) Teams with documentation that made a strong case for concluding that NWTC had never been affected by released from the weapons facility.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000941.pdf	178 KB
BZ-A-000942	9/8/2005
Submits Groundwater Evaluation in Response to NFAA Justification for Ash Pit May 20 2003	

Submits of Groundwater Evaluation in response to No Further Accelerated Action (NFAA) Justification for Ash Pit dated May 20, 2003.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000942.pdf	115 KB
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BZ-A-000943	5/22/2006
Transmits the Environmental Covenant for RF Present Landfill (included)	
Forwards for Colorado Department of Public Health and Environment (CDPHE) signature is the Environmental Covenant for Rocky Flats (RF) Present Landfill. This Environmental Convenant is entered into this 22nd day of May, 2006, by the US Department of Energy (DOE), and the Hazardous Materials (HM) and Waste Management (WM) Division of the Colorado Department of Public Health and Environment (CDPHE) ("the Department").	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000943.pdf	524 KB

BZ-A-000944	5/16/2006
Monitoring and Maintenance/Post Closure Plan for Present Landfill at RF	
The Colorado Department of Public Health and Environment (CDPHE) appreciate receiving US Fish and Wildlife Service (FWS) comments on the proposed Monitoring and Maintenance Post-Closure Plan for the Present Landfill at Rocky Flats. These responses resulted in numerous changes to the document. IHSS 114.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000944.pdf	123 KB

BZ-A-000945	5/16/2006
Monitoring and Maintenance/Post Closure Plan for Present Landfill at RF	
The Colorado Department of Public Health and Environment (CDPHE) appreciate receiving comments on the proposed Monitoring and Maintenance Post-Closure Plan for the Present Landfill at Rocky Flats. These responses resulted in numerous changes to the document. IHSS 114. City of Broomfield can view a final version of the Plan at the Site Closure Document page of the Rocky Flats (RF) website: rfets.gov.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000945.pdf	127 KB

BZ-A-000946	5/19/2006
Monitoring and Maintenance/Post Closure Plan for Present Landfill at RF	
The Colorado Department of Public Health and Environment (CDPHE) appreciate receiving comments on the proposed Monitoring and Maintenance Post-Closure Plan for the Present Landfill at Rocky Flats. These responses resulted in numerous changes to the document. IHSS 114. City of Westminster, Department of Public Works and Utilities can view a final version of the Plan at the Site Closure Document page of the Rocky Flats (RF) website: rfets.gov.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000946.pdf	128 KB

BZ-A-000947	5/19/2006
Monitoring and Maintenance/Post Closure Plan for Present Landfill at RF	

The Colorado Department of Public Health and Environment (CDPHE) appreciate receiving comments on the proposed Monitoring and Maintenance Post-Closure Plan for the Present Landfill at Rocky Flats. These responses resulted in numerous changes to the document. IHSS 114. The Rocky Mountain Peace and Justice Center can view a final version of the Plan at the Site Closure Document page of the Rocky Flats (RF) website: rfets.gov.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000947.pdf	127 KB
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BZ-A-000948	5/15/2006
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RE: Final Closeout Report for IHSS Group 000-5, Present Landfill (IHSS-114) September 2005

RE: Final Closeout Report for Individual Hazardous Substance Site IHSS Group 000-5, Present Landfill (IHSS-14) dated (September 2005). Present Landfill Monitoring and Maintenance Plan and Post Closure Plan (May 2006). Colorado Department of Public Health and Environment (CDPHE) have reviewed the modifications to the Closeout Report and to the Monitoring and Maintenance Post Closure Plan for the Present Landfill that were made in response to comments from CDPHE agencies. These modifications are satisfactory and both documents were approved.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000948.pdf	64 KB
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BZ-A-000949	3/15/2006
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RE: Modifications to the IM/IRA and RCRA Closure of the Present Landfill (February 2006)

RE: Modification to the Interim Measures / Interim Remedial Action (IM/IRA) AND Resource Conservation and Recovery Act (RCRA) Closure of the Present Landfill dated (February 2006). Modifications to the IM/IRA for Individual Hazardous Substance Site IHSS 114 and RCRA Closure of the Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill are approved. These changes were proposed in order to clearly incorporate post closure requirements in the IM/IRA. These modifications also ensure the environmental monitoring requirements into the IM/IRA are consistent with the Monitoring and Maintenance Plan and Post Closure Plan for the Present Landfill.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000949.pdf	76 KB
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BZ-A-000950	9/1/2005
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Closeout Report for IHSS Group 000-5 (Present Landfill [IHSS 114])

Closeout Report for Individual Hazardous Substance Site IHSS Group 000-5 (Present Landfill [114]). This Closeout Report summarizes accelerated action activities conducted at IHSS Group 000-5 at the Rocky Flats Environmental Technology Site (RFETS/Site). IHSS Group 000-5 consists of the Present Landfill (PLF), IHSS 114.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000950.pdf	14 MB
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BZ-A-000951	9/1/2005
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Accelerated Action for PLF RFETS IHSS Group 000-5 Construction Certification Report Volume II

Accelerated Action for the Present Landfill Individual Hazardous Substance Site IHSS Group 000-5 at Rocky Flats Environmental Technology Site (RFETS/Site), Construction Certification Report Attachment A of the Final Closeout Report Volume II.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000951.pdf	65 MB
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BZ-A-000952	9/1/2005
Accelerated Action for PLF RFETS IHSS Group 000-5 Construction Certification Report Volume III	
Accelerated Action for the Present Landfill Individual Hazardous Substance Site IHSS Group 000-5 at Rocky Flats Environmental Technology Site (RFETS/Site), Construction Certification Report Attachment A of the Final Closeout Report Volume III.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-000952.pdf	61 MB
BZ-A-000953	9/1/2005
Accelerated Action for PLF RFETS IHSS Group 000-5 Construction Certification Report Volume IV	
Accelerated Action for the Present Landfill Individual Hazardous Substance Site IHSS Group 000-5 at Rocky Flats Environmental Technology Site (RFETS/Site), Construction Certification Report Attachment A of the Final Closeout Report Volume IV.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000953.pdf	80 MB
BZ-A-000954	9/1/2005
Accelerated Action for PLF RFETS IHSS Group 000-5 Construction Certification Report Volume V	
Accelerated Action for the Present Landfill Individual Hazardous Substance Site IHSS Group 000-5 at Rocky Flats Environmental Technology Site (RFETS/Site), Construction Certification Report Attachment A of the Final Closeout Report Volume V.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000954.pdf	39 MB
BZ-A-000956	4/20/2004
Maps and Data prepared of BZCR Site Sampled	
Maps and Data prepared of Buffer Zone Contamination Report Site Sampled. Sample results less than Wildlife Refuge Worker (WRW) Paved road, Dirt road, Buffer Zone Site Standing building.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000956.pdf	1 MB
BZ-A-000957	7/21/2005
Forwards Building 995/Sanitary Sewer Closeout Report Response	
Forwards Building 995/Sanitary Sewer Closeout Report Response. In response to the electronic correspondence from Colorado Department of Public Health and Environment (CDPHE), dated July 8, 2005 (attached), the Closeout Report for Building 995 has been revised. The revised report addresses the 12 areas of concern identified in his message.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000957.pdf	1 MB
BZ-A-000958	1/13/2005
Forward RE: Closeout Report for IHSS Group 900-11 Hazardous Disposal Area	

Forward RE: Closeout Report for Individual Hazardous Substance Site Group 900-11; 900-155 903 Lip Area and IHSS 900-140, Hazardous Disposal Area. Forward RE: Closeout Report for Individual Hazardous Substance Site NE-1 North Firing Range. The US Environmental Protection Agency (EPA) has reviewed the above referenced document. Recent comments resolution meetings were successful in addressing outstanding issues for US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000958.pdf 58 KB

BZ-A-000959 6/13/2005

Forward RE: Closeout Report for IHSS Group NE-1, North Firing Range

Forward RE: Closeout Report for Individual Hazardous Substance Site NE-1 North Firing Range. The US Environmental Protection Agency (EPA) has reviewed the above referenced document. Recent comments resolution meetings were successful in addressing outstanding issues for US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000959.pdf 46 KB

BZ-A-000960 12/8/1995

Natural Heritage Resources of RFETS Phase II: The BZ Final Report,

The Natural Heritage Resources of Rocky Flats Environmental Technology Site (RFETS/Site) and their Conservation Phase II: The Buffer Zone (BZ) Final Report, In July, 1994, the Colorado Natural Heritage Program (CNHP) was contracted by the US Department of Energy (DOE) Rocky Flats Field Office (RFFO) to inventory and rank the natural heritage resources at its Rocky Flats Environmental Technology Site (RFETS/Site) (Purchase Order Number DE-APE4-94RF00900).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000960.pdf 2 MB

BZ-A-000961 10/1/2004

Forward EA Comment Response and Finding of No Significant Impact

Forward the Environmental Assessment (EA) comment response and finding of no significant Impact Pond and Land Configuration. The US Department of Energy (DOE) Rocky Flats Project Office (RFPO) has prepared an Environmental Assessment (EA) (DOE-EA-1492) to modify the Ponds in the North and South Walnut Creek drainages and to implement configuration changes at the Rocky Flats Environmental Technology Site (RFETS/Site) supporting closure.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000961.pdf 10 MB

BZ-A-000962 2/21/1996

Natural Heritage Resources of RFETS Phase II: The BZ Final Report, Final Rev.

The Natural Heritage Resources of Rocky Flats Environmental Technology Site (RFETS/Site) and their Conservation Phase II: The Buffer Zone (BZ) Final Report, Final Rev. In July, 1994, the Colorado Natural Heritage Program (CNHP) was contracted by the US Department of Energy (DOE) Rocky Flats Field Office (RFFO) to inventory and rank the natural heritage resources at its Rocky Flats Environmental Technology Site (RFETS/Site) (Purchase Order Number DE-APE4-94RF00900).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000962.pdf 8 MB

BZ-A-000963	9/1/2005
Final Landfill Monitoring and Maintenance Plan, at RFETS, Present Landfill IHSS 114	
The Final Landfill Monitoring and Maintenance Plan, at Rocky Flats Environmental Technology Site (RFETS/Site) Present Landfill. This Monitoring and Maintenance Plan has been for the Present Landfill, Individual Hazardous Substance Site [IHSS] 114) at Rocky Flats Environmental Technology Site (RFETS/Site).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000963.pdf	5 MB
BZ-A-000964	9/5/2002
RFCAB Recommendation 2002-2, ER RSOP Notification 02-09, IHSS 112-903 Pad Approved	
The Rocky Flats Citizen's Advisory Board (CAB) Recommendation 2002-2 commentsd on the Draft Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Routine Soil Remediation (ER RSOP) Notification 02-09, Individual Hazardous Substance Site IHSS 112-903 Pad, Approved September 5, 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000964.PDF	110 KB
BZ-A-000965	11/7/2002
RFCAB Recommendation 2002-3 Solar Evaporation Ponds Proposed Action Memorandum Approved	
The Rocky Flats Citizen's Advisory Board (CAB) Recommendation 2002-3 Comments, Concerns, and Recommendations on the Solar Evaporation Ponds Proposed Action Memorandum. Approved November 7, 2002.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000965.PDF	579 KB
BZ-A-000966	11/6/2003
RFCAB Remmendation 2003-8 on the Present Landfill IM/IRA Approved	
The Rocky Flats Citizen's Advisory Board (CAB) appreciates the opportunity to review the Present Landfill Interim Measures / Interim Remedial Action (IM/IRA), and offers following comments and recommendations. Approved November 6, 2003.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000966.PDF	430 KB
BZ-A-000967	5/6/2004
RFCAB Recommendation 2004-4 Comments 903 Pad Lip Area IM/IRA IHSS Group 900-11 Approved	
The Rocky Flats Citizen's Advisory Board (CAB) appreciates the opportunity to review and comment upon the draft Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS Group 900-11 (903 Lip Area and Vicinity, the Windblown Area and Surface Soil in Operable Unit OU 1 [881 Hillside]) dated April 26, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000967.PDF	176 KB
BZ-A-000968	6/3/2004
RFCAB Recommendation 2004-5 Comments on Draft Pond Land Configuration EA Approved	

The Rocky Flats Citizen's Advisory Board (CAB) The Rocky Flats Citizen's Advisory Board (CAB) appreciates the opportunity to review and comment upon the draft of the Environmental Assessment (EA) for the Pond and Land Configuration, dated April 2004. Approved June 3, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000968.PDF	258 KB
BZ-A-000969	
6/1/1999	
RE: CDPHE Comments on SAP for Groundwater Monitoring at 903Pad/Ryan's Pit VOC Plume	
The Colorado Department of Public Health and Environment (CDPHE) non the Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the 903Pad/Ryan's Pit Volatile Organic Compound (VOC) Plume. This plan lacks a definite hypothesis for the apparent natural attenuation of these plumes by discharge to near ground surface.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000969.pdf	151 KB
BZ-A-000970	
5/1/2006	
Forward Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan RFETS	
Forward Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan Rocky Flats Environmental Technology Site (RFETS/Site). This Monitoring and Maintenance Plan (Plan) has been prepared for the Present Landfill (PLF) (Individual Hazardous Substance Site [IHSS] 114) at RFETS.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000970.pdf	5 MB
BZ-A-000971	
6/9/2005	
Battelle In Situ and On Site Bioremediation	
Battelle In Situ and On Site Bioremediation. The Eighth International Symposium. Since the early 1990s, considerable work has been conducted worldwide in the application of processes to remediate contaminated subsurface soil and groundwater and to treat industrial First International Symposium on In Situ and On Site Bioremediation (April 1991) was organized provide a forum for researchers and engineers to report on their work in this new field.	
http://www.lm.doe.gov/cercla/documents/RockyFlats_docs/BZ/BZ-A-000971.pdf	1 MB
BZ-A-000972	
1/1/1988	
Enhanced Bioremediation in Clay Soils	
The Enhanced Bioremediation in Clay Soils. This case study evaluates the full-scale in-situ application of an electron donor to enhanced biodegradation of chlorinated solvents in clay soils and groundwater beneath an active light industrial property in a congested urban setting.	
http://www.lm.doe.gov/cercla/documents/RockyFlats_docs/BZ/BZ-A-000972.pdf	1 MB
BZ-A-000973	
10/1/1998	
Final Report Development of the RFP 903 Area Plutonium Source Term	
Final Report Development of the Rocky Flats Plant (RFP) 903 Area Plutonium Source Term. The Task 2 Independent Analysis of Exposure, Dose, and health Risk to offsite individuals, dated October 1998	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000973.pdf	4 MB

BZ-A-000974	5/31/2005
Submits Present Landfill Project Wetland Mitigation Monitoring IM/IRA Requirement	
Submits Enclosed is the Monitoring and Management Plan for mitigation of wetland impacts from the Present Landfill. This Plan is requires by the Present Landfill Project Wetland Mitigation Plan which has been approved under the Project's Interim Measures / Interim Remedial Action (IM/IRA). This Plan has been review by Kaiser-Hill Company, L.L.C. (K-H) Legal and US Department of Energy (DOE), therefore is reedy for submittal to US Environmental Protection Agency (EPA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000974.pdf	196 KB
BZ-A-000975	6/1/2005
USACE Nation Wide Permit Number 3 for Modification to Pond C-2 Outlet Works	
The request for US Army Corps of Engineers (USACE) Nationwide Permit number 3 for Modification to Pond C-2 Outlet Works. The Ponds C-2 outlet works are being modified, installation of an outlet valve on upstream side of the dam, as described in the enclosed Wetland Impacts Biological Evaluation (BE).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000975.pdf	511 KB
BZ-A-000976	5/12/2005
Submits Request for Approval the Present Landfill Project Wetland Mitigation Monitoring	
Submits Request for Approval the Present Landfill Project Wetland Mitigation Monitoring Plan to US Environmental Protection Agency (EPA). Enclosed for US Department of Energy (DOE) approval is the Present Landfill Wetland Monitoring and Management Plan. Since DOE will be implementing the Plan, Kaiser-Hill Company, L.L.C. (K-H) want DOE approval before submitted it to EPA.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000976.pdf	279 KB
BZ-A-000977	5/12/2005
Submits USACE Nationwide Permit and USFWS	
Submits the US Army Corps of Engineers (USACE) Nationwide Permit and US Fish and Wildlife Service (FWS) Biological Opinion for culvert and Flume Work in the Buffer Zone. Enclosed is the description of the culvert and flume work that is to be performed in the Buffer Zone.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000977.pdf	310 KB
BZ-A-000978	1/10/2005
Submits Commence Work to Reconfigure Six Dams	
Submits the Commence Work to Reconfigure Six Dams. Environmental Stewardship called Jefferson County Health Department on January 3, 2005 to provide a fifteen day notice before Rocky Flats Environmental Technology Site (RFETS/Site) commences work to reconfigure six dams (Ponds A-1, A-2, B-1, B-2, B-3 and B-4), located on the Site in the North and South Walnut Creek Drainages.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000978.pdf	93 KB
BZ-A-000979	1/10/2005

Submits Commence Work to Reconfigure Six Dams	
Submits the Commence Work to Reconfigure Six Dams. Environmental Stewardship called the City of Westminster on January 4, 2005 to provide a fifteen day notice before Rocky Flats Environmental Technology Site (RFETS/Site) commences work to reconfigure six dams (Ponds A-1, A-2, B-1, B-2, B-3 and B-4), located on the Site in the North and South Walnut Creek Drainages.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000979.pdf	85 KB
BZ-A-000980	1/10/2005
Submits Commence Work to Reconfigure Six Dams	
Submits the Commence Work to Reconfigure Six Dams. Environmental Stewardship called the City of Broomfield on January 10, 2005 to provide a fifteen day notice before Rocky Flats Environmental Technology Site (RFETS/Site) commences work to reconfigure six dams (Ponds A-1, A-2, B-1, B-2, B-3 and B-4), located on the Site in the North and South Walnut Creek Drainages.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000980.pdf	5 MB
BZ-A-000981	5/3/2005
Submits Table of Estimated Preble's Mouse Impacts from Project Activities at RFETS	
Submits Table of Estimated Preble's Mouse Impacts from Project Activities at Rocky Flats Environmental Technology Site (RFETS/Site). The US Fish and Wildlife Service (FWS) requested a table showing the estimated acres of Preble's mouse habitat impacted by RFETS projects, and mitigation credits to include in-situ restored, 2004 herbicide application, habitat creation, and Section 16 Conversation easement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000981.pdf	163 KB
BZ-A-000982	1/5/2005
Submits USFWS Biological Monthly Preble's Mouse Mitigation Debit/Credit	
Submits US Fish and Wildlife Service (USFWS) Biological Opinion Terms and conditions 4.e. Attached is the December monthly Preble's Mouse Mitigation Debit/Credit Spreadsheet. As a reminder the East Shooting Range and for modification to the footprint for the B-Ponds Remediation Work were initiated in November, but the snow on the ground precluded Kaiser-Hill Company, L.L.C. (K-H) from being able to accurately Global Positioning System (GPS) the disturbances.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000982.pdf	497 KB
BZ-A-000983	9/6/2005
Forwards USFWS Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation	
Forwards the attached monthly updated US Fish and Wildlife Service (USFWS) Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation Debit/Credit Spreadsheet. No changes for August therefore the total debit to date is 15.1909 acres.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000983.pdf	732 KB
BZ-A-000984	8/8/2005

Submits USFWS Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation	
Submits the attached monthly updated US Fish and Wildlife Service (USFWS) Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation Debit/Credit Spreadsheet. A well installation disturbance, item T, of 0.0824 acres was debited to the spreadsheet this month to bring the total debit to date to 15.1909 acres	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000984.pdf	594 KB
BZ-A-000985	7/25/2005
Submits Tables Estimated Preble's Mouse Impacts from RFETS as of July 21,2005	
Submits The Tables of estimated the Preble's Mouse Impacts from Project Activities at Rocky Flats Environmental Technology Site (RFETS/Site) dated July 21, 2005. On May 3, 2005 Kaiser-Hill Company, L.L.C. (K-H) provided US Department of Energy (DOE) a table showing the estimated acres of Preble's Mouse habitat impacted by RFETS projects, and mitigation credits to include in-situ restored, 2004 herbicide application, habitat creation, and Section 16 Conservation easement.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000985.pdf	311 KB
BZ-A-000986	7/20/2005
Submits USFWS Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation	
Submits the attached June monthly updated US Fish and Wildlife Service (USFWS) Biological Opinion Terms and Condition 4.E, Monthly Preble's Mouse Mitigation Debit/Credit Spreadsheet. The 2005 Herbicide Applications were added this month.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000986.pdf	653 KB
BZ-A-000987	6/13/2005
Submits of Biological Assessment for Connexs at B-3 Pond at RFETS Modification 05-06-02	
Submits of Biological Assessment for Connexs at the B-3 Pond at Rocky Flats Environmental Technology Site (RFETS/Site) Modification 05-06-02. Enclosed for US Department of Energy (DOE) review and transmittal to the US Fish and Wildlife Service (USFWS) is the Biological Assessment for connexs located at the B-3 Pond.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000987.pdf	136 KB
BZ-A-000988	10/5/2005
RE: Closeout Report for 903 Decontamination Pad Cluster- Approval	
The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials (HM) and Waste Management (WM), Division (the "Division") reviewed US Department of Energy (DOE) letter, dated November 22, 2004 and the enclosed Closeout Report for 903 Decontamination Pad Cluster, Revision 1 dated November 2004. CDPHE are here by approving this Closeout Report for Building 903 Decontamination Pad Cluster.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000988.pdf	1 MB
BZ-A-000992	9/20/2004

Map prepared by the 903 Pad Project	
The Map prepared by the 903 Pad Project Manager verifying cleanup of concrete debris and sampling data, dated September 20, 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000992.pdf	347 KB
BZ-A-000993	3/11/2004
Re: 95% Conceptual Design and QA/QC Control Plan for the Present Landfill Closure Cover	
The Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA) have reviewed the reports of 95% Conceptual Design and Quality Assurance / Quality Control (QA/QC) Plan for the Present Landfill Closure Cover. CDPHE have identified deficiencies which are enclosed for DOE's inclusion into the final design document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000993.pdf	2 MB
BZ-A-000994	3/11/2004
RE: Final Draft IM/IRA for IHSS 11 4 and RCRA Closure of RFETS Persent Landfill	
The US Environmental Protection Agency (EPA) has completed the review of Appendix H, Comment Responsiveness Summary, Final Draft Interim Measures / Interim Remedial Action (IM/IRA) for Individual Hazardous Substance Site IHSS 114 and Resource Conservation and Recovery Act (RCRA) Closure of the Rocky Flats Environmental Technology Site (RFETS/Site) of the Present Landfill, dated February 2004.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000994.pdf	799 KB
BZ-A-000995	10/1/1995
Final Phase II RFI/RI Report 903 PAD Mound and East Trenches Area OU2 Replacement Pages	
The Final Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report 903 PAD, Mound, and East Trenches Area Operable Unit OU2, replacement pages all Sections and Appendixes text and tables.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000995.PDF	23 MB
BZ-A-000996	5/1/1995
Draft Final Phase II RFI/RI Report 903 PAD Mound and East Trenches Area OU2 Volume 12	
Draft Final Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report 903 PAD, Mound, and East Trenches Area Operable Unit OU2 Volume 12 Appendix C Analytical Data.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000996.PDF	23 MB
BZ-A-000997	8/5/1997
Plan for Evaluation and Preliminary Proposed Mitigating for Walnut Creek dated April 1997	

Comments on Plan for Evaluation and Preliminary Proposed Mitigating action for Walnut Creek Water Quality Results dated April 1997. Rocky Flats Cleanup Agreement (RFCA) Project Coordinator is submitting the attached comments regarding the above plan with the intent that RFCA Project Coordinator continue to focus on the learning opportunities presented.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000997.pdf	138 KB
BZ-A-000998	7/17/1997
July 17, 1997 Source Evaluation Plan	
The July 17, 1997 Source Evaluation Plan. US Environmental Protection Agency (EPA) believes that the Plutonium concentration of 0.86 picocuries/liter (pCi/l) measured in Walnut Creek in Aril of 1996 represents an exceedance of the standard at a Rocky Flats Cleanup Agreement (RFCA) point of compliance.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000998.pdf	131 KB
BZ-A-000999	9/13/1994
Report of Finding Ute Ladies-Tresses and Colorado Butterfly Weed Surveys	
Report of Finding Ute Ladies-Tresses and Colorado Butterfly Weed Survey. The Ute Ladies-Tresses Orchid (<i>Spiranthes diluvialis</i>) was listed as a threatened species by the US Fish and Wildlife Service (USFWS) Federal Register 57:2048 January 17, 1992) pursuant to the Endangered Species Act of 1973.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-000999.pdf	868 KB
BZ-A-001000	10/1/1995
Revised Draft Final Phase II RFI/RI Report 903 PAD, Mound, and ETA	
Revised Draft Final Phase II Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report Operable Unit OU02: 903 Pad, Mound, and East Trenches Area (ETA), replacement pages all sections and appendixes text and tables...	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-A-001000.PDF	16 MB
BZ-A-001427	5/14/1996
FSP Source Removal at T-3/T-4	
Field Sampling Plan (FSP) for the Source Removal at Trenches 3 and 4 (T-3/T-4) Individual Hazardous Substance Site IHSS 110 / IHSS 111.1.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised_bz-a-001427.pdf	3 MB
BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - West Scrap Metal Storage Area (IAG: West Area Solvent Spill)	

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: West Scrap Metal Storage Area (IAG Name: West Area Solvent Spill). The area was one of two used for scrap metal storage on the southeast portion of the 400-acre manufacturing area. In September 1968, arrangements were made to move the metal pile from its location near the Lithium Disposal Pit west 200 yards to limit traffic, and was stored for off-site recycle. Pieces of scrap metal which, came from various buildings on plantsite may have had residue oils and/or hydraulic coolants, which could have dripped off into the soil. Higher than normal air samples in November 1971 were attributed to bulldozing of the area during a routine Radiometric Survey in August 1981. The source was suspected to be Uranium (U). The area south of the 903 Pad was cleaned up in December 1971 and disturbed soil was revegetated the following spring. Groundwater samples collected from monitoring wells installed on the area in 1974 had anomalous concentrations of U and nitrate. No documentation was found which detailed the fate of the constituents to the environment.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - East Scrap Metal Storage Area (IAG Name: East Area Solvent Spill)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: East Scrap Metal Storage Area (IAG Name: East Area Solvent Spill). The area is located adjacent to the Hazardous Disposal Area (PAC 900-140) and it was felt at the time that uniformed users of the storage area were unnecessarily endangering themselves due to the close proximity of the Hazardous Disposal Area. The area was located 69 feet north and 50 feet west of fencing marking the Hazard Disposal Area. Pieces of scrap metal which, came from various buildings on plantsite may have had residue oils and/or hydraulic coolants, which could have dripped off into the soil. Higher than normal air samples in November 1971 were attributed to bulldozing of the area during clean up activities of the scrap metal. The area south of the 903 Pad was cleaned up in December 1971 and disturbed soil was revegetated the following spring. Groundwater samples collected from monitoring wells installed on the area in 1974 had anomalous concentrations of U and nitrate. No documentation was found which detailed the fate of the constituents to the environment.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Contaminated Soil Disposal Area East of B881

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Contaminated Soil Disposal Area East of Building 881 (IAG Name: Radioactive Site - 800 Area Site No. 1). Approximately 320 tons of Plutonium (Pu) contaminated soil and asphalt from the May 1969 fire in Building 776 was buried under one to two feet of fill. Some of the material, or additional material, was from Central Avenue between Eighth and Tenth Streets, which amounts to about 250 cubic yards of material. Approximately 60 cubic yards of Pu infiltrated soil from the removal of concrete waste tanks near Building 774 (PAC 700-146) were placed in this same area and covered with 3 feet of soil. The amount of Pu activity in the 1969 fire debris was estimated at 7.4 dpm/g. No documentation was found which detailed the fate of the constituents released to the environment.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Hazardous Disposal Site

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Hazardous Disposal Site (IAG Name: Reactive Metal Destruction Site). An area in the southeast portion of the 400-acre manufacturing area was used for the destruction and disposal of reactive metals and other chemicals. Metallic Lithium was destroyed on the ground in the 1950s and 1960s. The activity was described in 1967 as Lithium waste being disposed of in trench, moistened, and then covered with fill at the southwest corner of the site. Unknown quantities of other reactive metals (sodium, calcium, and magnesium) and some solvents were also destroyed at this location. Approximately 400 to 500 pounds of Lithium were destroyed and the residues, primarily non-toxic Lithium carbonate were buried. No document was found which detailed the fate of the constituents released to the environment.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Sludge Dispersal

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Sludge Dispersal - All Material entering the sanitary sewer system is processed and one of the process byproducts is sludge. Sludge produced in the waste water treatment plant (Building 995) is placed in a series of gravel and sand-lined drying beds until the solid to liquid ratio is greater than 43 percent by weight and is considered suitable for packing and shipment offsite for disposal. Because the beds of sludge were open to the atmosphere, sludge was noted to have become airborne and dispersed and sometimes overflowing toward East Perimeter Road. A spill occurred on February 4, 1955, which extended to the East Perimeter Road. The event occurred while sludge was being pumped from the digester to a drying bed. On December 15, 1972 a Plutonium, contaminated sludge spill occurred affecting the area from the sludge drying beds at East Perimeter Road. In January 1982, sludge from three of the drying beds was blown out and dispersed during a windstorm. On February 1, 1991, one of the sludge drying beds overflowed and sludge spilled down the hillside south of the drying beds to South Walnut Creek.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Oil Burn Pit No. 2

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Oil Burn Pit No. 2 - Drums containing oil contaminated with Uranium were burned in an open pit located north of Central Avenue and southeast of Building 991. These activities took place adjacent to the Mound (PAC 900-113). The oil burn pit was actually two trenches excavated parallel to each other. The oil in the drums was dumped into the pit and ignited. Oil was burned at night so smoke would not cause alarm. On the order of 80 drums of oil was burned in a typical month. The drums were reused by the originating buildings until they were flattened and buried in trenches onsite (PAC NE-110, and PAC NE-111). An October 1960 study stated that organic liquids were stored due to the lack of proper facilities to burn the wastes. In February 1961, a study performed by the Health Physics group assured the operators that open pit burning was safe. A second oil-burning pit was cut in November 1961 and may be a reference to the parallel trench. The materials contained in the drums were coolant, still bottoms, and waste oils from Building 444 and Building 881. Attempts were made to burn only non-radioactively contaminated oils. During a burning test on February 1961, a direct count value monitored from the test was three times as high as the value from the Building 881 stack on that day. This was considered acceptable because the burning occurred over a short period and would not materially add to the airborne activity released to the atmosphere.

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Pallet Burn Site	
Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Pallet Burn Site - According to persons interviewed for (CEARP) Phase I, wooden pallets were burned in the area southwest of Oil Burn Pit No. 2 (PAC 900-153). No documentation was found which provided detail for this event. The site was removed in the 1970's.	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - 903 Lip Area	
Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: 903 Lip Area - Contamination for the 903 Drum Storage Area was spread by wind and rain to adjacent soil. The adjacent area around the Pad and extending to the Southeast Perimeter Road is referred to as the 903 Lip Area. Soil southeast of the drum storage area mostly strongly affected because of the prevailing wind direction and topography. During the construction of the asphalt pad over the main part of the storage area, the lip area was regraded, and fills dirt placed over a wide area around the pad. The fill material became contaminated as well. Wind and surface water runoff in an area exceeding 2,000 acres distributed approximately 16 grams of Plutonium-239. In 1969, prior to the installation of the asphalt pad on the 903-storage area, it was estimated that 1.2 million square feet of soil onsite is contaminated above 500 dpm/g. Monitoring of the soil around the, 903 drum storage area has occurred periodically since 1958. Ground surveys for alpha detection were performed in 1964 and revealed contamination in the soil south and east of the storage area.	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Triangle Area	
Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Triangle Area - Referred to as the Solar Pond Storage Yard, PU&D Pond Storage Yard, or the 779 Storage Yard. Drums were first moved into the triangle area during the construction of a drum storage area north of the Building 883. Drums with dilute nitric acid were stored directly on the ground for the winter of 1966/1967. The following spring, the drums were placed on wooden pallets. The drums were to have been double-lined with polyethylene bags. Rigid poly drum liners were used after 1970 and storage was in drums on wooden pallets until 1971 when drums were stored in cargo containers. In 1973, an effort was initiated to transfer all Plutonium (Pu) scrap to indoor storage. In 1968, more than 6,000 drums were stored in the open field. High winds in the unprotected area blew over as many as 150 drums at a time. Drums containing fire waste from the 1969 fire were stored in the triangle area until they could be counted at Building 771. Some fire waste returned to the triangle area for storage after being counted. In 1969, approximately 292 drums were discovered to be leaking and about 200 square feet of soil received high-level contamination. In June 1973, 200 yards of Pu-contaminated soil was temporarily stored in the east side of the triangle area. The soil came from the excavation of waste storage tanks near Building 774.	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Gas Detoxification Area	

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Gas Detoxification Area - Building 952 was constructed in 1963 as a Toxic Gas Storage Building. Industrial Hygiene managed the storage of gases. Since at least January 1967, fireman exercising extreme caution due to the nature of the gases transported bottles containing hazardous gases from various buildings to building 952. Typically, shipments consisted of one or two lecture-size gas bottles. Gases were stored for up to five years prior to disposal and selected gases were detoxified at the site. The method of detoxification was selected based on the characteristics of the material and others were packed and shipped to off-site vendors for disposal. Selected gases were detoxified using various commercial neutralization processes available at the time. Neutralization processes included reaction with water, acid, caustic, carbon, or air. Byproducts were disposed of as process waste and upon completion, each type of gas, and glassware used in the process was triple rinsed, crushed and deposited in the present landfill. No documentation was found which detailed any specific releases to the environment at this site.

BZ-A-INFO

1/29/1993

Note to File: Ref Id. TBD - Hillside Spill North of SEP 207B North

Information Only Entry: Second Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), October 1, 1992 through January 1, 1993: Id. TBD - Hillside Spill North of Solar Evaporation Pond (SEP) 207B North. A release of approximately 490 gallons of interceptor trench water was reported on November 30, 1992. Surface water runoff and potentially contaminated groundwater are collected in the Interceptor Trench Pump House (ITPH) system prior to being pumped from a centralized sump into the 207B North Solar Evaporation Pond. The release originated from a separation of a pipe coupling in the 3" transfer line on the east slope of the Pond berm and flowed onto the surrounding soil. The 3 foot section of drain hose that was connected to the end of the inlet pipe to the 207B North Pond, had frozen during several days of sub zero weather. This caused a back pressure in the pipe when the interceptor central sump began to pump water into the pond.

BZ-A-INFO

1/29/1993

Note to File: Ref Id. TBD - Present Landfill (OU07; IHSS 114)

Information Only Entry: Second Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), October 1, 1992 through January 1, 1993: Id. TBD - Present Landfill - A release to the environment of greater than the reportable quantity of RCRA regulated hazardous waste was reported on September 25, 1992. The hazardous substance release was the result of improper disposal of cleanup materials (soil and absorbent) from a diesel fuel spill at the present landfill location. Approximately one gallon of fuel was spilled onto the asphalt surface while patching the building 850 parking lot. The release was cleaned up with 50 pounds of soil and oil-dri absorbent and inadvertently taken to the landfill for disposal. Based upon process knowledge, cleanup materials from diesel spills are managed as RCRA regulated waste because the material could contain levels of benzene that exceed the TCLP limit. The EPA waste code for this waste is D018.

BZ-A-INFO

1/29/1993

Note to File: Ref Id. TBD - Retention Pond B-2, Walnut Creek Drainage (IHSS 142.6; OU06)

<p>Information Only Entry: Second Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), October 1, 1992 through January 1, 1993: Id. TBD - Retention Pond B-2, Walnut Creek Drainage - A diesel spill reported on October 27, 1992 within the spillway (northeast corner) of Pond B-2. A release to the environment of greater than the reportable quantity of RCRA regulated hazardous waste was reported on September 25, 1992. The hazardous substance release was the result of a leak in the fuel tank of a portable pump used to transfer water from Pond B-2 to Pond A-2. Approximately 18 gallons of diesel fuel was spilled directly onto the ground. Based upon process knowledge, cleanup materials from diesel spills are managed as RCRA regulated waste because the material could contain levels of benzene that exceed the TCLP limit. The EPA waste code for this waste is D018. Samples collected from the soil were analyzed for TCLP volatiles and gross alpha beta radiological screens. An estimated 200 pounds of material suspected to be contaminated, was recovered from the spill area and containerized in drums and one half crate plywood box.</p>	

BZ-A-INFO	4/22/1996
Note to File: NFA IHSSs HRR - Flume Pond (Walnut Creek Gauging Station)	
<p>Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - Flume Pond (Walnut Creek Gauging Station) (IAG Name: Retention Pond A-5; RFI/RI Name: Walnut and Indiana Pond). The flume pond is used to measure Walnut Creek flow and has received discharges from Rocky Flats throughout the history of the plant. The constituents potentially present in this IHSS are the same as are potentially present in North Walnut Creek or South Walnut Creek, as well as the McKay Ditch Bypass. The pond is cleaned out occasionally to reduce buildup of sediments on the bottom or to reconstruct the flumes. The sediments are placed on the south side of Walnut Creek upstream of the pond and within the IHSS boundary. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 142.12, Walnut and Indiana Pond.</p>	

BZ-A-INFO	4/30/1993
Note to File: Ref Id. NW-175 - Operable Unit 10, PU&D Yard Unit	
<p>Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. NW-175 - Operable Unit 10, PU&D Yard Unit - Approximately one and one half gallons of diesel fuel spilled onto the ground at the PU&D storage yard during a routine fueling operation for a fork truck. A fuel nozzle assembly was placed on an automatic setting but failed to shut off automatically when the fuel tank reached capacity. Based upon process knowledge diesel spills and excavated soils are managed as RCRA regulated waste until sampling and analysis can confirm that levels of benzene do not exceed toe TCLP limit. The US Environmental Protection Agency (EPA) waste code for this waste is D018. The location of the spill is within the Individual Hazardous Substance Site IHSS 170 boundary.</p>	

BZ-A-INFO	4/22/1996
Note to File: NFA IHSSs HRR - Trenches South of OU07, the Present Landfill	

Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - Trenches South of OU07, the Present Landfill (IHSS Name: Trench A {IHSS 166.1}, Trench B and Trench C, which consists of two smaller trenches). The material reported to be placed in these units consisted of Sanitary Wastewater Treatment Plant sludge. Older sludge would have had primarily Uranium contamination with newer sludge having an increasing amount of Plutonium (Pu) contamination. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. They also do not appear to be the source of organic contaminants in the local groundwater because the low concentration of most chlorinated solvents in soil are not likely to have measurable effects on groundwater. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 166.1, Trench A.

BZ-A-INFO

4/22/1996

Note to File: NFA IHSSs HRR - Trenches South of OU07, the Present Landfill

Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - Trenches South of OU07, the Present Landfill (IHSS Name: Trench A, Trench B {IHSS 166.2}, and Trench C, which consists of two smaller trenches). The material reported to be placed in these units consisted of Sanitary Wastewater Treatment Plant sludge. Older sludge would have had primarily Uranium contamination with newer sludge having an increasing amount of Plutonium (Pu) contamination. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. They also do not appear to be the source of organic contaminants in the local groundwater because the low concentration of most chlorinated solvents in soil are not likely to have measurable effects on groundwater. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 166.2, Trench B.

BZ-A-INFO

4/22/1996

Note to File: NFA IHSSs HRR - Trenches South of OU07, the Present Landfill

Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - Trenches South of OU07, the Present Landfill (IHSS Name: Trench A, Trench B, and Trench C {IHSS 166.3}, which consists of two smaller trenches). The material reported to be placed in these units consisted of Sanitary Wastewater Treatment Plant sludge. Older sludge would have had primarily Uranium contamination with newer sludge having an increasing amount of Plutonium (Pu) contamination. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. They also do not appear to be the source of organic contaminants in the local groundwater because the low concentration of most chlorinated solvents in soil are not likely to have measurable effects on groundwater. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 166.3, Trench C.

BZ-A-INFO

4/30/1993

Note to File: Ref Id. NW-176 - Operable Unit 10, PU&D Yard Unit

Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. NW-176, Operable Unit 10, PU&D Yard Unit. On November 12, 1992 at 1600 hours it was discovered that a reportable quantity of asbestos (approximately one and one half pounds) was released to the environment from a boiler being stored on the PU&D storage yard. The location of the spill is identified as being within the Individual Hazardous Substance Site IHSS 170 boundary. Analytical data gathered from samples show bulk asbestos concentrations at 60 percent of the total volume of sample analyzed. Visual observations indicate that 15 square feet of asbestos insulation was missing. Containment operations began immediately by wetting down the boiler and surrounding ground and covering the area in plastic.

BZ-A-INFO

4/30/1993

Note to File: Ref Id. NE-1404 - Operable Unit OU02, Phase II Field Treatability Unit

Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. NW-176 - Operable Unit OU02, Phase II Field Treatability Unit - A release of twenty gallons of diesel fuel was reported on January 14, 1993. The fuel released was the result of overfilling a diesel fuel tank, which supplied a portable generator for the OU Treatability Facility. The fuel was spilled onto the ground while operations were taking place. The release was cleaned up with absorbent material and later excavated until all indication of fuel presence was gone. Seventeen gray drums were filled the following day with soil contaminated by diesel fuel.

BZ-A-INFO

4/22/1996

Note to File: NFA IHSSs HRR - Former South Area Spray Field

Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - Former South Area Spray Field. This area was used solely for the purpose of spraying water over the ground surface to enhance evaporation of the water from the ponds located near OU07: the Present Landfill. The water sprayed contained varying amounts of low-level radioactivity derived from Tritium, Strontium, Plutonium (Pu), and Americium. Low concentrations of Phenol and Nitrate were also detected in the spray water. According to the Ecological Risk Assessment for Walnut Creek and Woman Creek Watersheds, there is no apparent risk to the environment based on chemical concentrations detected in this IHSS. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 167.3.

BZ-A-INFO

4/22/1996

Note to File: NFA IHSSs HRR - East Spray Field, North Area

Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - The East Spray Field, North Area. The north area of the East Spray Field was opened in 1989 because of excessive runoff from the existing east spray fields. It was closed shortly after opening because of excessive runoff from this new spray field. During its short operational period, this Individual Hazardous Substance Site received water from Pond B-3, which received treated sanitary effluent from the onsite sewage treatment facility, including the Chromic Acid inadvertently added to the sanitary waste water. Based on evidence gathered, the "No Further Action" (NFA) criteria are met for IHSS 216.1.

BZ-A-INFO	4/30/1993

BZ-A-INFO	4/30/2002
Note to File: Ref Id. 000-502 - Hillside Spill North of SEP 207B North	
<p>Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. 000-502, Hillside spill North of Solar Evaporation Pond (SEP) 207B North. A release of four hundred ninety gallons of Interceptor trench water was reported on November 30, 1992. Surface water runoff and potentially contaminated groundwater are collected in the Interceptor Trench Pump House (ITPH) system prior to being pumped from a centralized sump into the 207B North SEP. The release originated from a separation of a pipe coupling in the 3" transfer line on the east slope of the SEP berm and flowed onto the surrounding soil. The three-foot section of drain hose that was connected to the end of the inlet pipe to the 207B North Pond had frozen during several days of sub zero weather. It caused a back pressure in the pipe when the interceptor central pump began to pump water into the pond.</p>	

BZ-A-INFO	4/18/1996
Note to File: NFA IHSSs HRR - West Spray Field	
<p>Information Only Entry: Draft Update to the Historical Release Report (HRR) for the No Action Individual Hazardous Substance Sites (IHSS), May 2, 1996 - The West Spray Field was used for the periodic spray application of excess water pumped from Solar Evaporation Ponds (SEP) 207B North and 207B Center. The pond liquids applied to the West Spray Field contained high Nitrate concentrations, elevated levels of radionuclides, trace levels of volatile and Semi-volatile Organic Compounds, and metals. Plutonium-239/240 (Pu), americium-241, Tritium, and Nitrate/Nitrite were the only constituents identified during the field sampling in 1994 and are considered potential chemicals of concern (PCOCs). The potential for offsite migration of PCOCs appears to be extremely limited. Based on information presented in the Final OU11 combined Phases Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report (DOE, 1995), a Corrective Action Decision / Record of Decision recommending No Action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and a Clean Closure under Resource Conservation and Recovery Act (RCRA) was prepared (DOE, 1995). The CAD/ROD received final approval on September 21, 1995.</p>	

BZ-A-INFO	4/30/1993
Note to File: Ref Id. NW-177 - Present Landfill (OU07; IHSS 114 Sanitary Landfill)	

Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. NW-177, Present Landfill. The hazardous substance release was the result of improper disposal of cleanup materials (soil and absorbent) from a diesel fuel spill at the present landfill. One gallon of fuel was spilled onto the asphalt surface while patching the building 850 parking lot. The release was cleaned up with fifty pounds of soil and oil-dri absorbent and inadvertently taken to the landfill for disposal.

BZ-A-INFO

4/30/1993

Note to File: Ref Id. NE-1404 - Retention Pond B-2, Walnut Creek Drainage (OU06; IHSS 142.6)

Information Only Entry: Third Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1993 through April 1, 1993: Id. NE-1404, Retention Pond B-2, Walnut Creek Drainage. The hazardous substance release was the result of a leak in the fuel tank of a portable pump used to transfer water from Pond B-2 to Pond A-2. Eighteen gallons of diesel fuel were spilled directly onto the ground. Samples collected from the soil were analyzed for TCLP volatiles and gross alpha beta radiological screens. The analytical data show that there were no RCRA regulated hazardous constituents associated with the release and radiological screens were below background.

BZ-A-INFO

2/4/2002

Note to File: Property Id. 280 - Landfill Support Facility (Vacant Building)

Information Only Entry: Property Id. 280 - Landfill Support Facility (Vacant Building)
RISS D&D 280, RISS Area: 3; Group-N/A, Cluster: N/A
Facility Grouping No.: FGN-9, Facility Area: 1-3-5-9, Facility Type: N/A

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench T-3, IHSS 110

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench T-3, Individual Hazardous Substance Site IHSS 110. T-3 was used primarily for the disposal of sanitary wastewater treatment plant sludge. The sludge removed from the wastewater treatment plant was placed on sludge drying beds. The dried material removed from the sludge drying beds was placed in the disposal drying beds. The sanitary sludge disposal trenches are reported to be ten feet deep and are provided with two feet of soil cover. No documentation was found which detailed the fate of the constituents disposed in T-3. Some Uranium (U) and Plutonium (Pu) contamination was present in sludge during this time frame. It is reported that the older sludge would have had primarily (U) contamination with newer sludge having and increasing amount of (Pu) contamination. This IHSS is being studied in accordance with the IAG schedule for OU02. The IAG activities will include site investigations, site characterizations, and possible remediation. The Final Phase II RFI/FI Report is to be completed by March 12, 1993.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench 5 (T-5)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench 8 (T-8). Trenches T-4 through T-11, along with T-2 and T-3, were used primarily for the disposal of sanitary wastewater treatment plant sludge. Trenches T-9, T-10, and T-11 were differentiated from the other trenches and added to the disposal trench inventory in 1977. Trench T-3, along with these trenches, are also called the East Trenches (ETA). T-4 through T-11 have few operational differences from T-2 and T-3. While some Uranium (U) and Plutonium (Pu) contamination is present, this sludge disposed of in these trenches should consist primarily of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. From August 196 until February 1970 sanitary wastewater treatment plant sludge was disposed in the RFP sanitary landfill. After February 1970, sanitary wastewater treatment plant sludge was shipped offsite for disposal. To date no documentation has been found that records the time frame during which any particular trench was receiving waste. Similarly, none of the HRR interviewees were knowledgeable on dates of operations of individual trenches.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench 6 (T-6)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench 8 (T-8). Trenches T-4 through T-11, along with T-2 and T-3, were used primarily for the disposal of sanitary wastewater treatment plant sludge. Trenches T-9, T-10, and T-11 were differentiated from the other trenches and added to the disposal trench inventory in 1977. Trench T-3, along with these trenches, are also called the East Trenches (ETA). T-4 through T-11 have few operational differences from T-2 and T-3. While some Uranium (U) and Plutonium (Pu) contamination is present, this sludge disposed of in these trenches should consist primarily of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. From August 196 until February 1970 sanitary wastewater treatment plant sludge was disposed in the RFP sanitary landfill. After February 1970, sanitary wastewater treatment plant sludge was shipped offsite for disposal. To date no documentation has been found that records the time frame during which any particular trench was receiving waste. Similarly, none of the HRR interviewees were knowledgeable on dates of operations of individual trenches.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench 7 (T-7)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench 8 (T-8). Trenches T-4 through T-11, along with T-2 and T-3, were used primarily for the disposal of sanitary wastewater treatment plant sludge. Trenches T-9, T-10, and T-11 were differentiated from the other trenches and added to the disposal trench inventory in 1977. Trench T-3, along with these trenches, are also called the East Trenches (ETA). T-4 through T-11 have few operational differences from T-2 and T-3. While some Uranium (U) and Plutonium (Pu) contamination is present, this sludge disposed of in these trenches should consist primarily of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. From August 196 until February 1970 sanitary wastewater treatment plant sludge was disposed in the RFP sanitary landfill. After February 1970, sanitary wastewater treatment plant sludge was shipped offsite for disposal. To date no documentation has been found that records the time frame during which any particular trench was receiving waste. Similarly, none of the HRR interviewees were knowledgeable on dates of operations of individual trenches.

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Trench 8 (T-8)	
<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench 8 (T-8). Trenches T-4 through T-11, along with T-2 and T-3, were used primarily for the disposal of sanitary wastewater treatment plant sludge. Trenches T-9, T-10, and T-11 were differentiated from the other trenches and added to the disposal trench inventory in 1977. Trench T-3, along with these trenches, are also called the East Trenches (ETA). T-4 through T-11 have few operational differences from T-2 and T-3. While some Uranium (U) and Plutonium (Pu) contamination is present, this sludge disposed of in these trenches should consist primarily of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. From August 196 until February 1970 sanitary wastewater treatment plant sludge was disposed in the RFP sanitary landfill. After February 1970, sanitary wastewater treatment plant sludge was shipped offsite for disposal. To date no documentation has been found that records the time frame during which any particular trench was receiving waste. Similarly, none of the HRR interviewees were knowledgeable on dates of operations of individual trenches.</p>	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Trench 9 (T-9)	
<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trench 9 (T-9). Trenches T-4 through T-11, along with T-2 and T-3, were used primarily for the disposal of sanitary wastewater treatment plant sludge. Trenches T-9, T-10, and T-11 were differentiated from the other trenches and added to the disposal trench inventory in 1977. Trench T-3, along with these trenches, are also called the East Trenches (ETA). T-4 through T-11 have few operational differences from T-2 and T-3. While some Uranium (U) and Plutonium (Pu) contamination is present, this sludge disposed of in these trenches should consist primarily of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. From August 196 until February 1970 sanitary wastewater treatment plant sludge was disposed in the RFP sanitary landfill. After February 1970, sanitary wastewater treatment plant sludge was shipped offsite for disposal. To date no documentation has been found that records the time frame during which any particular trench was receiving waste. Similarly, none of the HRR interviewees were knowledgeable on dates of operations of individual trenches.</p>	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - A-1 Pond	
<p>Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - A-Series Drainage and Ponds (Ponds A-1 {Individual Hazardous Substance Site IHSS 142.1}, A-2, A-3, and A-4). The A-Series drainage is also known as the North Walnut Creek Drainage. The use of the A-Series drainage has varied over the history of the RFP. Dates of operation: from January 1954 to the present. Pond A-1 (designated Pond 1 until the early 1970s) was built in January 1954. The first release from Pond A-1 occurred on March 10, 1954. Pond A-2 was built in 1973, A-3 in 1954, and A-4 in 1979.</p>	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - A-2 Pond	

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - A-Series Drainage and Ponds (Ponds A-1, A-2 {Individual Hazardous Substance Site IHSS 142.2}, A-3, and A-4). The A-Series drainage is also known as the North Walnut Creek Drainage. The use of the A-Series drainage has varied over the history of the RFP. Dates of operation: from January 1954 to the present. Pond A-1) (designated Pond 1 until the early 1970s) was built in January 1954. The first release from Pond A-1 occurred on March 10, 1954. Pond A-2 was built in 1973, A-3 in 1954, and A-4 in 1979.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench A, South of the Present Landfill

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - Trenches South of the Present Landfill (Trenches A {Individual Hazardous Substance Site IHSS 166.1}, B, and C). The material reported placed in this unit consisted of sanitary wastewater treatment plant sludge. Older sludge would have had primarily Uranium (U) contamination with new sludge having an increasing amount of Plutonium (Pu) contamination. Analysis of soil samples collected during exploratory drilling did not indicate any radioactivity. No documentation was found which detailed the fate of the constituents disposed in these trenches. The wastewater treatment plant sludge should consist predominantly of concentrated organic matter typically present in sanitary wastewater treatment plant sludge. However, due to various operations at the RFP, some U and Pu contamination of this sludge may be present.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - PU&D Storage Yard

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The Northwest (NW) Buffer Zone (BZ): The Property Utilization and Disposal (PU&D) Yard; Individual Hazardous Substance Site IHSS 170; Operable Unit OU10; Potential Area of Concern (PAC) No. NW-170. The main area of the PU&D storage yard has been used for storing empty drums and dumpsters, cargo boxes, cable spools, and similar materials. However, an unknown radioactively contaminated powder was spilled. Other releases may have occurred from leaking batteries and drums, and areas within the yard may be contaminated. No addition documentation was found to further detail releases to the environment. Per investigatory findings, PU&D IHSSs 170 and 174A - 174B are tied throughout their lifetime; all three are indexed under IHSS 170

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Ash Trench (Pit) I-4

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The Southwest (SW) Buffer Zone (BZ): Ash Trench / Pit I-4. In 1970, four burial sites were located south of the incinerator area. The trenches were used for disposal of ash from the incinerator, which operated from 1952 to 1968. Combustible non-contaminated waste ash and noncombustible non-contaminated trash from various sources at the site were disposed of in pits and covered with soil. Routine sampling of the ash was documented from November 24, 1953, to December 9, 1954. The ashes in these trenches were evaluated and considered to present no problems unless disturbed and inhaled. No documentation was found which detailed the fate of constituents released.

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - Incinerator Area	
Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The Southwest (SW) Buffer Zone (BZ): An Incinerator (Facility 219) was located south of the west access road near the plant's original west boundary. The incinerator was used to burn office wastes. An estimated 100 grams of depleted Uranium (U) was burned with the general combustible wastes. Residual ash has been sampled and found to be radioactive.	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - West Spray Field	
Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The Southwest (SW) Buffer Zone (BZ): The West Spray Field was a land application unit designed to dispose of excess water from some of Solar Evaporation Ponds (SEP) 207B-North and 207B-Center. Pond 207B-North received water from the Interceptor Trench System (ITS) installed in 1980 to collect groundwater from the hillside north of the SEPs. Because of elevated nitrate in the water contained in the 207B ponds since that time, runoff from the West Spray Field was retained in the A-Series ponds and off-site migration of the water was prevented. Liquids from 207B-Center consisted of treated sanitary effluent. Contaminants have been identified in the alluvial groundwater and soil in the West Spray Field area. Contaminants introduced into McKay Ditch were transported into Walnut Creek. Additional information and analytical detail are available in the Draft Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Corrective Measures (RFI/CM) Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP), June 4, 1990, and the Closure Plan, November 28, 1986.	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group 000-5" constituents	
Information Only Entry: BZ Group 000-5 consists of: Disposal of Diesel Contaminated Material at Landfill (NW-1502, formerly NW-177); Disposal of Fuel Contaminated Material at Landfill (NW-1503); Disposal of Thorosilane Contaminated Material at Landfill (NW-1504); Landfill Trench A (Operable Unit OU06, Individual Hazardous Substance Site IHSS 166.1); Landfill Trench B (OU06, IHSS 166.2); Landfill Trench C (OU06, IHSS 166.3); Landfill Pond Spray Area (OU06, IHSS 167.2); Landfill Pond Spray Area (OU06, IHSS 167.3); Present Landfill (OU07, IHSS 114)	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group 900-11" constituents	
Information Only Entry: BZ Group 900-11 consists of: Elevated Chromium Identified During Geotechnical Drilling (900-1316); East Firing Range (SE-1602); Ryan's Pit (Trench T-2, Individual Hazardous Substance Site IHSS 109); 903 Pad (IHSS 112); Hazardous Disposal Area (IHSS 140); 903 Lip Area (IHSS 155); Gas Detoxification Area (IHSS 183).	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group 900-12" constituents	
Information Only Entry: BZ Group 900-12 consists of: Trench T-1 (Individual Hazardous Substance Site IHSS 108); T-3 (IHSS 110); T-5 (IHSS 111.2); T-6 (IHSS 111.3); T-8 (IHSS 111.5); T-9 (IHSS 111.6); T-10 (IHSS 111.7); T-11 (IHSS 111.8).	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group 900-2" constituents	
Information Only Entry: BZ Group 900-2 consists of: Oil Burn Pit No. 2 (Individual Hazardous Substance Site IHSS 153); Pallet Burn Site (IHSS 154); East Spray Field - North Area (IHSS 216.1); East Spray Field - Center Area (IHSS 216.2); East Spray Field - South Area (IHSS 216.3).	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group NE-1" constituents	
Information Only Entry: BZ Group NE-1 consists of: Pond A-1 (Operable Unit OU06, Individual Hazardous Substance Site IHSS 142.1); Pond A-2 (OU06, IHSS 142.2); Pond A-3 (OU06, IHSS 142.3); Pond A-4 (OU06, IHSS 142.4); Pond A-5 (OU06, IHSS 142.12); Pond B-1 (OU06, IHSS 142.5); Pond B-2 (OU06, IHSS 142.6); Diesel Spill at Pond B-2 Spillway (NE-1404); Pond B-3 (OU06, IHSS 142.7); Pond B-4 (OU06, IHSS 142.8); Pond B-5 (OU06, IHSS 142.9); Pond C-1 (OU05, IHSS 142.10); Pond C-2 (OU05, IHSS 142.11).	

BZ-A-INFO	1/1/0001
Note to File: "BZ Group NE-2" constituents	
Information Only Entry: BZ Group NE-2 consists of: Trench 7 (T-7) (Individual Hazardous Substance Site IHSS 111.4)	

BZ-A-INFO	7/1/2001
Note to File: "BZ Group NE-NW" constituents	
Information Only Entry: BZ Group NE/NW consists of: Operable Unit OU02 Treatment Facility (NE-1407); Modular Tanks and 910 Treatment System Spill (NE-1409, formerly 000-503); Diesel Fuel Spill at Field Treatability Unit (FTU) (NE-1410); Diesel Fuel Overflowed from Tanker at OU02 (NE-1411); Trench 12 (T-12), Located at OU02: East Trenches (NE-1412); T-13, Located at OU02: East Trenches (NE-1413); Property Utilization and Disposal (PU&D) Storage Yard (Individual Hazardous Substance Site IHSS 170); PU&D Yard, Drum Storage (IHSS 174a).	

BZ-A-INFO	7/1/2001
Note to File: "BZ Group SW-1" constituents	
Information Only Entry: BZ Group SW-1 consists of: Recently Identified Ash Pit (SW-1701); Recently Identified Ash Pit (SW-1702); Ash Pit 1 (Operable Unit OU05, Individual Hazardous Substance Site IHSS 133.1); Ash Pit 2 (OU05, IHSS 133.2); Ash Pit 3 (OU05, IHSS 133.3); Ash Pit 4 (OU05, IHSS 133.4); Incinerator (OU05, IHSS 133.5); Concrete Wash Pad (OU05, IHSS 133.6).	

BZ-A-INFO	9/1/2002
Note to File: 7th Annual HRR Update - Trench T-2 (Ryan's Pit) (PAC 900-109)	
<p>Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - Trench T-2 (Ryan's Pit) (PAC 900-109). Individual Hazardous Substance Site IHSS 109 (PAC 900-109) is generally referred to as Ryan's Pit and is located south of the 903 Pad. The area was primarily used for disposal of solvents, paint thinners, diesel fuel and other construction related chemicals and materials. Based on review of historical documents, photographs and personnel it is probable that Ryan's Pit was used from 1969 to 1971 for the disposal of non-radioactive liquid chemical wastes. Soil contaminated from the dumping of solvents and other waste were sampled extensively during the removal action in 1995 and prior to treatment. Analytical results for these samples indicated elevated Volatile Organic Compounds (VOCs). Ryan's Pit was discontinued in 1971 and the trench was backfilled. One hundred and eighty cubic yards of contaminated soil and debris were excavated from IHSS 109 and treated by low temperature thermal description to destroy the volatile organic component of contamination in the soil. The excavation verification sample results showed that the soils remaining were below the PPRG cleanup standards in Proposed Action Memorandum (PAM) 1995 at a depth of eight feet. PAC 900-109 is considered No Further Action (NFA) and has been requested that the PAC narrative be amended. This is to reflect the 1997 Annual Update to the HRR, that contaminants in a nearby down-gradient groundwater monitoring well have not shown evidence of plume degradation and is understood groundwater monitoring will continue.</p>	

BZ-A-INFO	9/1/2002
Note to File: 7th Annual HRR Update - Gas Detoxification Area (PAC 900-183)	

Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - Gas Detoxification Area (PAC 900-183). Building 952 was constructed in 1963 as a Toxic Gas Storage Building, which was managed by Industrial Hygiene. Since at least January 1967, firemen exercising extreme caution due to the nature of the gases transported bottles containing hazardous gases from various buildings to Building 952. Typically, shipments consisted of one or two lecture-size gas bottles. Prior to January 1967, Plant Services personnel transported the bottles, often improperly. No reported incidents were found. Gases were stored for up to five years prior to disposal. Selected gases were detoxified at the site. The method of detoxification was selected based on the characteristics of the material. Others were packed and shipped to off-site vendors for disposal. No documentation was found that detailed any specific released to the environment. Selected gases were detoxified using various commercial neutralization processes available at the time. No documentation was found that detailed any release from IHSS 183 and was studied as part of Operable Unit OU02. It is suspected that a release at IHSS 183 has not occurred. This is based on the fact that no documentation referencing a release has been found and that contamination was not detected in the borehole location near the IHSS. It is recognized that IHSS 183 overlaps with IHSS 155, which will be addressed as a separate action. Recommendation for No Further Action (NFA) at this site is consistent with the criteria for recommending NFA decisions presented in RFCA, Attachment 6 RCRA Guidance 1996. In the Seventh Annual Update to the HRR (PAC 900-183) is considered accepted as proposed for NFA.

BZ-A-INFO	12/1/2002
Note to File: HSA, December 2002 - Building 903A	
Information Only Entry: Building 903A2 Reconnaissance Level Characterization Report (Area 5, Group-14), dated June 18, 2003 - Historical Site Assessment (HSA) Report, December 2002 - Building 903A is an equipment decontamination facility called the Main Decontamination Facility (MDF) and was constructed in 1993. Building 903A is the Sites MDF for Environmental Restoration (ER) activities and is used to decontaminate field equipment such as sampling equipment, drill rigs, and field vehicles. These items are decontaminated through the use of high-pressure hot water. On occasion, Liquinox or some other non-phosphorous detergent is used during this process. Prior to the beginning of decontamination activities, the equipment is surveyed to determine the presence of radioactive material. Water used on the Decontamination Pad is obtained from a fire hydrant and is pumped into a 1,200-gallon raw water supply tank. Decontamination fluids are collected by a sump in the center of the Pad and are transferred to Building 903B where the wastewater goes through several processes to remove solids.	

BZ-A-INFO	12/1/2002
Note to File: HSA, December 2002 - Building 903A2	
Information Only Entry: Building 903A2 Reconnaissance Level Characterization Report (Area 5, Group-14), dated June 18, 2003 - Historical Site Assessment (HSA) Report, December 2002 - Located west of the 903A Decontamination Pad, Building 903A2 is a general storage shed acquired in 1993. This building is used to store PPE and for general storage in support of the 903A Decontamination Pad.	

BZ-A-INFO	12/1/2002
Note to File: HSA, December 2002 - Building 903B	

Information Only Entry: Building 903A2 Reconnaissance Level Characterization Report (Area 5, Group-14), dated June 18, 2003 - Historical Site Assessment (HSA) Report, December 2002 - Constructed in 1995, Building 903B is the Environmental Liquids Management Area for the Decontamination Pad. Wastewater is pumped from the Pad to a series of funnel shaped separators where the solids are settled out of the wastewater and collected in 55-gallon drums. These drums are then sampled and appropriately disposed of. The final wastewater is trucked to the Building 891 water treatment facility for final treatment. In the past, only trace amounts of radioactive material and RCRA contaminants were found in the wastewater and sediment generated by the Pad.

BZ-A-INFO

12/1/2002

Note to File: HSA Report, December 2002 - Building 120

Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Guard Post Building 120 is the West Access Portal. This building supports the west access gate and acts as general office and break room for the site security personnel. There is no history of any radiological or hazardous operations.

BZ-A-INFO

12/1/2002

Note to File: HSA Report, December 2002 - Building 120A

Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Purchased in the late 1990s, Building 120A is a portable shelter used as a general office and break room for site security personnel located at the West Vehicle Search Facility. There is no history of any radiological or hazardous operations.

BZ-A-INFO

12/1/2002

Note to File: HSA Report, December 2002 - Building 120B

Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Constructed in 2002, Building 120B is a covered Vehicle Search Facility. It is an open garage with vehicle doors on both sides to allow for rapid entrance and egress of employee vehicles during random searches. There is no history of any radiological or hazardous operations.

BZ-A-INFO

12/1/2002

Note to File: HSA Report, December 2002 - Building 920

Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Guard Post Building 920 is the East Access Portal. This building supports the west access gate and acts as general office and break room for the site security personnel. There is no history of any radiological or hazardous operations.

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BZ-A-INFO	12/1/2002
Note to File: HSA Report, December 2002 - Building 920A	
Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Purchased in the late 1990s, Building 920A is a portable shelter used as a general office and break room for site security personnel located at the East Vehicle Search Facility. There is no history of any radiological or hazardous operations.	

BZ-A-INFO	12/1/2002
Note to File: HSA Report, December 2002 - Building 920B	
Information Only Entry: Reconnaissance Level Characterization Report (RLCR) for Area 5 - Group 15 Closure Projects, May 5, 2003; Historical Site Assessment (HSA) Report, December 2002 - Constructed in 2002, Building 920B is a covered Vehicle Search Facility. It is an open garage with vehicle doors on both sides to allow for rapid entrance and egress of employee vehicles during random searches. There is no history of any radiological or hazardous operations.	

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - East Firing Range (PAC SE-1602)	
Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1998 through August 1, 1999 Revision 0 - East Firing Range (PAC SE-1602). A firing range was used for target practice and security officer qualification from 1951 through 1986. The north target area consisted of a firing range and berm. The south target area is located south of the firing range and on the hillside south of Woman Creek. Bullets have been found in the berm and may be present in the drainage. Lead from spent bullets was found near the Firing Range and north berm and southern hillside. Depleted uranium may be present in the south hillside. Lead and armor-piercing bullets may have penetrated the berm and hillside to one and one half feet. No documentation was found that detailed the response to potential releases at the East Firing Range or the fate of the constituents to the environment. Further investigation is recommended for this area.	

BZ-A-INFO	1/1/1992
Note to File: HRR January, 1992 - The 800 Area	

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992
 - The 800 Area is located in the southeast area of the RFP. The more important buildings and features in this area are as follows: Building 865, placed into service in 1972, is used for material processing and development work which includes fabrication, processing and testing of metal parts. Depleted Uranium and Beryllium are processed in this building. Building 881, placed into service in 1953, was an Enriched Uranium Components Production building, which also contained a laundry, and analytical laboratory and facilities for chemically recovering enriched U from manufacturing wastes. Building 881 currently houses various technical support, analytical, plant support, and administrative functions. Building 883, put into service in 1957, housed two parallel U fabrication operations that involved the use of presses, rolling mills and annealing furnaces. Beryllium ingots were also rolled into sheet material and acid etched in this building. Currently, processes in 883 are mainly operations that prepare metals for additional processes in 883 and at RFP. Building 886, put into service in 1965, contains the Critical Mass Laboratory where criticality experiments are performed. Building 889, placed into service in 1966, houses decontamination and waste reduction operations for wastes originating outside the PA. This Area also includes an office building, a paint supply storage building and process and sanitary waste collection buildings.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Chemical Burial Area

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992
 - The 800 Area: Chemical Burial Area. There is an area south of Building 881 that was reportedly used to bury unknown chemicals. No documentation was found which detailed responses to this occurrence. No documentation was found which detailed the fate of any constituents released to the environment. No documentation was found which verifies the existence of the site. It is possible that previous reports may have confused this site with Trench T-2 farther east [PAC 900-109].

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Liquid Dumping

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992
 - The 800 Area: Liquid Dumping. The Comprehensive Environmental Assessment and Response Program (CEARP) Phase I Report indicates that an area east of Building 881 was used for disposal of unknown liquids and drums. The types of liquids that were dumped here could not be determined from available documentation. No documentation was found which indicated response to this occurrence. No documentation was found which indicated response to this occurrence. No documentation was found which detailed the fate of the constituents that may have been released to the environment. No documentation was found which verifies the existence of the site, which may have been confused with the Trench T-2 farther east.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench T-1 (PAC 900-108)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Trench T-1. There are approximately 125 drums of containing approximately 25,000 kilograms of Depleted Uranium Chips and Lathe Coolant buried in this Trench. At the time this material was buried, RFP policy permitted U transportation offsite in the form of U Oxide. Because most of the U was contaminated with numerous inert materials, it would not readily oxidize, therefore preventing shipment. Conflicting information was found during this study regarding the potential contaminants in the trench. All references that mention the origin of the waste confirm that it was from Building 444 exclusively. It is believed from interviews with retired RFP employees that B444 processed Uranium and not Plutonium; yet, several references state that analytical results from a drum uncovered in 1982 indicated the presence of Pu. There were many references that indicate the removal of contaminated soil from the area north of Central Avenue and west of the East Gate. It is uncertain whether the soil became contaminated from the Mound Area [PAC 900-113], the Oil Burn Pit [900-153], or T-1, which were all in close proximity.

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - Trench T-2

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: Trench T-2. The function of T-2 was similar to that of the East Trenches (T-3, T-4, T-5, T-6, T-7, T-8, T-9, T-10, and T-11) and there is no distinction made in their operation. No documentation was found which specifies neither when T-2 received it first waste nor when its use was discontinued. All of these trenches received sewage sludge from the on-site Sanitary Treatment Plant in addition to some crushed empty drums. Collectively, approximately 275,000 pounds of sanitary sewer sludge and 300 flattened empty drums are buried in the trenches. Sewage sludge was contaminated with Uranium and Plutonium. Flattened drums had surface residues of depleted U and may have held oils from Building 444, B881, and 883. A recommendation was made in September 1962 for the disposal of clay from the clay-lines solar pond in the dried sewage sludge trench. It is not known which trench was active at that time. The Waste Disposal Coordination group granted permission on December 15, 1964 to dump 2,4000 gallons of liquid waste from 444 into the sewage sludge trench. Burial of sludge in the trenches ceased when the Present Landfill began operations in August 1968. No documentation was found which detailed the fate of constituents released. It is proposed that PACs 800-102 and 800-103 be combined with this PAC and defined as PAC 900-109, Liquid Chemical Disposal Trench. [IHSSs 102, 103, 109, 110, 111.1, 111.2, 111.3, 111.4, 111.5, 111.6, 111.7, 111.8]

BZ-A-INFO

1/1/1992

Note to File: HRR January, 1992 - 903 Pad

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January, 1992 - The 900 Area: 903 Pad. Drums were stored in the 903 Pad area since the summer of 1958 when drums from the "east pad" of Building 444 [PAC 600-1001] were found to be leaking. The contents of the drums were transferred to tight drums, which were then placed in the 903 area. A 1955 aerial photograph clearly shows some activity in the 903 Storage Area. No supporting documentation was found which identifies the nature of this activity. Drums were leaking and rusting in storage at the 903 area in December 1959. By November 1960, significant leaking was noted from the drums in storage; many drums became empty while in storage. These drums were placed on pallets on the ground. These drums originated from the process buildings. It has been estimated that approximately 150 grams of Plutonium leaked into the soil with approximately 23 grams covered by the asphalt pad, 94 grams within the plant boundary, and 33 grams in soil outside of the boundary. It was determined in 1971 that the Pad area presented no immediate public health hazard and that the Pu contaminated soil under and around the Pad would be removed eventually.

BZ-A-INFO

5/30/2002

Note to File: HSA Report, May 30, 2001 - 881 Cluster Oil Sludge Pit

Information Only Entry: RISS Facility Characterization Historical Site Assessment (HSA) Report, 881 Cluster Closure Project; November 6, 2001. The Building 881 Cluster has several Individual Hazardous Substance Sites / Potential Areas of Concern that are close enough to the buildings to warrant mention in this report. Additional information can be found in the individual IHSS/PAC reports. While many of these sites are not within the scope of this report, they have been identified to provide general information about events, which have occurred in the vicinity of the 881 Cluster facilities. IHSS 102 / PAC 800-102 "Oil Sludge Pit": 1958 was approved No Further Action (NFA) in the Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD). This IHSS/PAC is an area south of 881 that was reportedly used to bury 30 to 50 drums of non-radioactive material. These drums were dumped in a pit approximately 200 to 500 feet south of 881. The material was believed to be oil sludge from tank clean-outs. The pit was backfilled when disposal operations ceased. This IHSS also states that no documentation was found which verifies the existence of this site. Interviews were conducted in 1991 with Rocky Flats Plant (RFP) personnel who were employed at the time of the incident could not recall any such dumping.

BZ-A-INFO

5/30/2002

Note to File: HSA Report, May 30, 2001 - 881 Cluster Chemical Burial

Information Only Entry: RISS Facility Characterization Historical Site Assessment (HSA) Report, 881 Cluster Closure Project; November 6, 2001. The Building 881 Cluster has several Individual Hazardous Substance Sites / Potential Areas of Concern that are close enough to the buildings to warrant mention in this report. Additional information can be found in the individual IHSS/PAC reports. While many of these sites are not within the scope of this report, they have been identified to provide general information about events, which have occurred in the vicinity of the 881 Cluster facilities. IHSS 103 / PAC 800-103 "Chemical Burial" was approved No Further Action (NFA) in the Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD). This site is in an area south of 881 that was reportedly used to bury unknown chemical. This IHSS also states that no documentation was found which verifies the existence of this site. Interviews were conducted in 1991 with Rocky Flats Plant (RFP) personnel who were employed at the time of the incident could not recall any such dumping. It is possible that these reports of dumping have been confused with Trench T-2 (southeast of 881). T-2 was suspected of being used to dump chemicals.

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BZ-A-INFO	5/30/2002
Note to File: HSA Report, May 30, 2001 - 881 Cluster Liquid Dumping	
<p>Information Only Entry: RISS Facility Characterization Historical Site Assessment (HSA) Report, 881 Cluster Closure Project; November 6, 2001. The Building 881 Cluster has several Individual Hazardous Substance Sites / Potential Areas of Concern that are close enough to the buildings to warrant mention in this report. Additional information can be found in the individual IHSS/PAC reports. While many of these sites are not within the scope of this report, they have been identified to provide general information about events, which have occurred in the vicinity of the 881 Cluster facilities. IHSS 104 / PAC 800-104 "Liquid Dumping" Prior to: 1969 was approved No Further Action (NFA) in the Operable Unit OU01 Corrective Action Decision / Record of Decision (CAD/ROD). The Comprehensive Environmental Assessment and Response Program (CEARP) Phase I Report indicates that an area east of Building 881 was used for disposal of unknown liquids and drums. The exact location of the pit is not known. No documentation was found to verify the existence of the site.</p>	

BZ-A-INFO	9/27/2001
Note to File: 6th Annual HRR Update - North Firing Range (PAC NW-1505)	
<p>Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - North Firing Range (PAC NW-1505). The firing range consists of two Buildings, 3003 and 308 and located in the northwest Buffer Zone and remains in use for target practice and security officer qualification. The range consists of a concrete pad covered by a roof. Until 1993, the target area consisted of a bermed area. In December 1993, construction began to enhance the range with an improved backstop, walls and roof. Potential lead contamination may have resulted from bullets fired into the north berm within the firing range. The concrete pad is washed several times a year and a collection of the rinse water from the pad washing has been scheduled. Further characterization of soil associated with this PAC will be completed after final Decontamination and Decommissioning (D&D) of the facility.</p>	

BZ-A-INFO	9/27/2001
Note to File: 6th Annual HRR Update - Ash Pits (OU05) (SW-133.1, SW-133.2, SW-133.3, SW-133.4, SW-1701 and SW-1702)	
<p>Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - Ash Pits (OU05) (SW-133.1, SW-133.2, SW-133.3, SW-133.4, SW-1701 and SW-1702). In 1970, four-burial sites were located south of the incinerator area (IHSS 133.5). These trenches were used for disposal of ash (and noncombustible trash from various sources) from the incinerator that operated from approximately 1952 until 1968. Noncombustible trash, such as counting discs, broken glassware and metal was collected in a nearby dumpster and later disposed of in the trenches. Two additional areas (PAC SW-1701 and SW-1702) were identified through aerial photographs and samples collected from boreholes in the immediate area. The Final Operable Unit OU05 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report summarized all data that have been collected and recommended that No Further Action (NFA) was warranted at OU05 on the Human Health Risk Assessment (HHRA). Upon review of the original data and additional groundwater data collected during the summer of 2001, justification for NFA was given.</p>	

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BZ-A-INFO	9/27/2001
Note to File: 6th Annual HRR Update - Incinerator Facility (OU05; PAC SW-133.5)	
<p>Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - Incinerator Facility (OU05; PAC SW-133.5). An incinerator (Facility 219 or Building 219), (PAC SW-133.5; OU05) was located south of the west access road near the Plant's original west boundary. The incinerator was used to burn office waste. Design and as-built drawings indicate it was thirty-two feet high. In 1960, it was necessary to reline the firebox and the stack with plastic re-factory. Between 1960 and 1967, the incinerator continued to deteriorate to the point that it was necessary to stop the use and dispose of trash in some other manner. The Present Landfill was constructed as a substitute for the waste disposal and began on August 14, 1968. A review of aerial photographs reveals that the incinerator was present August 7, 1969 and removed by August 6, 1971. No documentation was found indicating the dismantling and removal of the incinerator. Emission samples were taken during burning in September 1956. Smear surveys of the incinerator before and after burning of contaminated waste showed no increase in contamination. Air sampling of the incinerator continued in 1958 during combustion of radioactively contaminated trash from Building 444 and 447, however no results were available. No documentation was found which further detailed the fate of the constituents released. IHSS 133.5 was studied in accordance with the Interagency Agreement (IAG) schedule for Operable Unit OU05. Analytical data for surficial and subsurface soils show that contaminants associated with the incinerator facility at this location are below RFCA Tier I and Tier II action levels and pose no risk. IHSS 133.5 does not warrant further investigation and is proposed for No Further Action (NFA).</p>	

BZ-A-INFO	9/27/2001
Note to File: 6th Annual HRR Update - Concrete Wash Pad (OU05; PAC SW-133.6)	
<p>Information Only Entry: Sixth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2000 through August 1, 2001 Revision 0 - Concrete Wash Pad (OU05; PAC SW-133.6). Excess concrete from construction activities on plant site was routinely washed from concrete trucks southwest of the plant. In March 1979, Plant Services was requested to clean up debris from past cement truck washouts, and that cement truck washouts be conducted at the landfill. This area is adjacent to the former Plant Incinerator and a reference was made to ash being disposed of southwest of the Incinerator, which may have been close to this area. The concrete wash pad was a waste concrete disposal site; however, concrete is not a hazardous waste. Potentially contaminated ash generated from the incinerator may have been deposited southwest of the incinerator in the area of the concrete wash pad. Ground disturbance in the area is obvious from aerial photographs beginning in 1953 and other RFP photos. No documentation was found which detailed the fate of constituents released. This IHSS was studied in accordance with the Interagency Agreement (IAG) schedule for OU05. Analytical data for surficial and subsurface soils show the contaminants associated with the Concrete Wash Pad are below RFCA Tier I and Tier II action levels and pose no risk. Further soils in IHSS 133.6 do not require remediation to achieve a 15 mrem effective dose equivalent, based upon the open space exposure scenario. IHSS 133.6 does not warrant further investigation and is proposed for No Further Action NFA.</p>	

BZ-A-INFO	9/1/2002
Note to File: 7th Annual HRR Update - Trench T-3 (PAC NE-110)	

Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - T-3 was used primarily for the disposal of sanitary wastewater treatment plant sludge. Some Uranium (U) and Plutonium (Pu) contamination was present in sludge during this time frame. It is reported that the older sludge would have had primarily (U) contamination with newer sludge having and increasing amount of (Pu) contamination. Approximately 1,706 cubic yards of Volatile Organic Compound (VOC) contaminated material was removed from T-3 and treated. Excavation was completed July 3, 1996 and treatment of T-3 material was completed by July 11, 1996. The soils treated as part of the source removal action were returned to the trench. Debris excavated from the trench was treated, size reduced, containerized and characterized. The containerized debris was shipped to the Nevada Test Site (NTS) in September 1997. The post-treatment levels of VOCs in the soils returned to T-3 were less than the thermal desorption unit performance standards specified in the US Department of Energy (DOE) Proposed Action Memorandum (PAM). Trench T-3 is proposed as No Further Action (NFA) because the source removal and treatment goals specified in the PAM were achieved and are consistent with the action levels in Rocky Flats Cleanup Agreement (RFCA). In accordance with the PAM 1996, the source removal would be considered complete if analysis from verification samples were below cleanup levels or upon reaching groundwater or bedrock. Any remaining contamination beyond these criteria would be subject to groundwater remediation. In 1999, the East Trenches groundwater remediation project was completed to collect and treat a plume of contaminated groundwater. That project is described in the Final East Trenches Plume Project Closeout Report 2000. (Continued in the comment section)

BZ-A-INFO

9/1/2002

Note to File: 7th Annual HRR Update - OU02 Treatment Facility (PAC NE-1407)

Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - OU02 Treatment Facility (PAC NE-1407). The Operable Unit OU02 Treatment Facility was in operation from May 1991 until 1995. The facility was used to treat contaminated groundwater using a chemical precipitation/microfiltration/granular activated carbon system. On March 9, 1993 50-gallons of untreated seepage/spring water leaked from a ruptured elbow in a secondary contaminant line near the facility. Routine sampling of the influent water indicated concentrations of carbon tetrachloride. In response to the leak, the pump was turned off, and a berm was constructed to contain the spill area. Based upon the actions taken in 1993 and characterization results of the soil samples collected in accordance with Buffer Zone Sampling and Analysis Plan (BZSAP) Addendum No. BZ-02-01, no potential contaminant source could be identified. This PAC NE-1407 is being proposed as No Further Action (NFA) in accordance with RFCA 1996.

BZ-A-INFO

9/1/2002

Note to File: 7th Annual HRR Update - PU&D Storage Yard (PAC NW-170)

Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - PU&D Storage Yard (PAC NW-170). The main area of the Property Utilization and Disposal (PU&D) storage yard has been used for storing empty drums and dumpsters, cargo boxes, cable spools, and similar materials. The greatest potential for contamination was considered the eastern third because scrap metal may have been stored without prior decontamination and hazardous material in drums and dumpsters were transferred in the area. However, an incident involving a radioactive contaminated drum in the yard occurred in December 1987. An unknown radioactively contaminated powder spilled out of a drum and approximately 95 percent of the spill were recovered. Other releases may have occurred from leaking batteries and drums, and areas within the yard may be contaminated. No additional documentation was found to further detail releases to the environment. Per investigatory findings, PU&D IHSSs 170 and 174A - 174B are tied throughout their lifetime; all three are indexed under IHSS 170. No surface soils analyses or concentrations of VOCs presence of contaminants were above the proposed RFCA action levels. The recommendation for No Further Action (NFA) is consistent with the criteria for recommending NFA decisions presented in RFCA, and was approved in 2002.

BZ-A-INFO

9/1/2002

Note to File: 7th Annual HRR Update - Ash Pits 2 and 4, Ghost Locations (PAC SW-133.2 and SW-133.4)

Information Only Entry: Seventh Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 2001 through August 1, 2002 Revision 0 - Ash Pits No. 2 and 4, Ghost Locations (PAC SW-133.2 and SW-133.4). In 1970, four-burial sites were located south of the incinerator area (IHSS 133.5). These trenches were used for disposal of ash (and noncombustible trash from various sources) from the incinerator that operated from approximately 1952 until 1968. Noncombustible trash, such as counting discs, broken glassware and metal was collected in a nearby dumpster and later disposed of in the trenches. Two additional areas (PAC SW-1701 and SW-1702) were identified through aerial photographs and samples collected from boreholes in the immediate area. The Final Operable Unit OU05 Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report summarized all data that have been collected and recommended that No Further Action (NFA) was warranted at OU05 on the Human Health Risk Assessment (HHRA). Upon review of the original data and additional groundwater data collected during the summer of 2001, justification for NFA was given.

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - Asbestos Insulated Boiler at PU&D Yard (PAC NW-1501)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Asbestos Insulated Boiler at PU&D Yard (PAC NW-1501). On November 12, 1992 at 1600 hours it was discovered that a reportable quantity of asbestos (approximately one and one half pounds) was released to the environment from a boiler being stored on the PU&D storage yard. The location of the spill is identified as being within the Individual Hazardous Substance Site IHSS 170 boundary. Analytical data gathered from samples show bulk asbestos concentrations at 60 percent of the total volume of sample analyzed. Visual observations indicate that 15 square feet of asbestos insulation was missing. Containment operations began immediately by wetting down the boiler and surrounding ground and covering the area in plastic. Based on the results of the soil samples collected, no current or potential contaminant source was identified and no potential threat to the public health or the environment and proposed No Further Action (NFA).

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - OU02 Test Well: Current Well No. 21993 (PAC NE-1408)	
<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - OU02 Test Well: Current Well No. 21993. Ten gallons of groundwater was spilled when a casing being inserted into a new bedrock monitoring well forced the water out of the hole and onto the ground. An approximate two-foot by eight-foot area was wetted in the incident. Testing of a well twenty feet upgradient (well 36-87) has identified the following F-001 contaminants in the groundwater: carbon tetrachloride, trichloroethylene and tetrachlorethylene. Chloroform and 1, 1-dichloroethylene, both of which are chemical analytes covered by Toxicity Characteristics Leaching Procedure (TCLP), were also identified in the water upgradient from the spill site. Data from laboratory testing of water from the spill site monitoring well are not yet available. A desiccant was immediately applied to the area to absorb the water and prevent it from spreading. The wet desiccant, wet dirt from below the desiccant, and a layer of dry dirt were removed from the are, containerized, and are being managed as investigation dervied material. The soil wetted by the spill was cleaned up and placed into barrels with "Aqua-Set" absorbent. Based on the results of soil samples collected, no current or potential contaminant source was identified and recommended for No Further Action (NFA) consistent with criteria in the Rocky Flats Cleanup Agreement (RFCA).</p>	

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - PU&D Storage Yard (PAC NW-170)	
<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - PU&D Storage Yard (PAC NW-170). The main area of the PU&D storage yard has been used for storing empty drums and dumpsters, cargo boxes, cable spools, and similar materials. However, an unknown radioactively contaminated powder was spilled. Other releases may have occurred from leaking batteries and drums, and areas within the yard may be contaminated. No addition documentation was found to further detail releases to the environment. Per investigatory findings, PU&D IHSSs 170 and 174A - 174B are tied throughout their lifetime; all three are indexed under IHSS 170. No surface soils analyses or concentrations of VOCs presence of contaminants were above the proposed RFCA action levels. The recommendation for No Further Action (NFA) is consistent with the criteria for recommending NFA decisions presented in RFCA.</p>	

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - PU&D Drum and Dumpster Storage (NW-174A and NW-174B)	

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - PU&D Drum and Dumpster Storage Facilities (NW-174A and NW-174B). The content of drums were empty and originated from areas that handled radioactive materials that were sampled and analyzed prior to shipment to the Property Utilization and Disposal (PU&D) yard. In May 1982 two drums were identified a being pressurized with bulging drumheads and a third drum exploded blowing out the bottom. In December 1987 an unknown powder spilled out of a drum that was presumed empty and ninety-five percent was cleaned up and analyzed. An internal investigation report was generated after the unknown powder incident. Waste Guidance groups were involved on the cleanup operations resulting from the rainwater in the drums. The rainwater in the drums was disposed in accordance with Site waste procedures. The drum bungs were tightened to prevent potential re-occurrence and drum decontamination procedures were implemented. Surface samples in several locations of IHSS 174A exceeded proposed RFCA Tier II action levels but were considered isolated occurrences and did represent the entire areas. IHSS 174B poses no threat to groundwater and therefor is proposed as No Further Action (NFA). No threat to surface water is expected at IHSS 174A, but is not currently being proposed for NFA.

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - Trench T-1 (PAC 900-108)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Trench T-1 (PAC 900-108). There are approximately 125 drums of containing approximately 25,000 kilograms of Depleted Uranium Chips and Lathe Coolant buried in this Trench. At the time this material was buried, RFP policy permitted U transportation offsite in the form of U Oxide. Because most of the U was contaminated with numerous inert materials, it would not readily oxidize, therefore preventing shipment. Conflicting information was found during this study regarding the potential contaminants in the trench. All references that mention the origin of the waste confirm that it was from Building 444 Exclusively. It is believed from interviews with retired RFP employees that B444 processed Uranium and not Plutonium; yet, several references state that analytical results from a drum uncovered in 1982 indicated the presence of Pu. There were many references that indicate the removal of contaminated soil from the area north of Central Avenue and west of the East Gate. It is uncertain whether the soil became contaminated from the Mound Area [PAC 900-113], the Oil Burn Pit [900-153], or T-1, which were all in close proximity. Because the source of contamination was successfully removed as documented in this narrative and associated documents, IHSS 108 meets the criteria set fourth in RFCA for No Further Action (NFA).

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - 903 Pad (PAC 900-112)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - 903 Pad (PAC 900-112). Drums were stored in the 903 Pad area since the summer of 1958 when drums from the "east pad" of Building 444 [PAC 600-1001] were found to be leaking. The contents of the drums were transferred to tight drums, which were then placed in the 903 area. A 1955 aerial photograph clearly shows some activity in the 903 Storage Area. No supporting documentation was found which identifies the nature of this activity. Drums were leaking and rusting in storage at the 903 area in December 1959. By November 1960, significant leaking was noted from the drums in storage; many drums became empty while in storage. These drums were placed on pallets on the ground. These drums originated from the process buildings. It has been estimated that approximately 150 grams of Plutonium leaked into the soil with approximately 23 grams covered by the asphalt pad, 94 grams within the plant boundary, and 33 grams in soil outside of the boundary. It was determined in 1971 that the Pad area presented no immediate public health hazard and that the Pu contaminated soil under and around the Pad would be removed eventually. The Final Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area was implemented in 1998 and 1999. Documentation of the findings will be provided in the Site Characterization Report for the 903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155) and Americium Zone to be submitted to the Agencies in September 1999. Results for the characterization will aid in the assessment of remedial alternatives.

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - Oil Burn Pit No. 2 (PAC 900-153)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Oil Burn Pit No. 2 (PAC 900-153). Drums containing oil contaminated with Uranium were burned in an open pit located north of Central Avenue and southeast of Building 991. These activities took place adjacent to the Mound (PAC 900-113). The oil burn pit was actually two trenches excavated parallel to each other. The oil in the drums was dumped into the pit and ignited. Oil was burned at night so smoke would not cause alarm. On the order of 80 drums of oil was burned in a typical month. The drums were reused by the originating buildings until they were flattened and buried in trenches onsite (PAC NE-110, and PAC NE-111). An October 1960 study stated that organic liquids were stored due to the lack of proper facilities to burn the wastes. In February 1961, a study performed by the Health Physics group assured the operators that open pit burning was safe. A second oil-burning pit was cut in November 1961 and may be a reference to the parallel trench. The materials contained in the drums were coolant, still bottoms, and waste oils from Building 444 and Building 881. Attempts were made to burn only non-radioactively contaminated oils. During a burning test on February 1961, a direct count value monitored from the test was three times as high as the value from the Building 881 stack on that day. This was considered acceptable because the burning occurred over a short period and would not materially add to the airborne activity released to the atmosphere. Further characterization of IHSS 153 will be performed following D&D of the security fence and is reflected accordingly in the 2006 Baseline.

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - Pallet Burn Site (900-154)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Pallet Burn Site (900-154). IHSS 154 was selected for further study and possible characterization and sampling using a geoprobe was planned in January 1999. This activity was disallowed due to security reasons because the investigation area underlies the Protected Area (PA) security fence. The future characterization will be dependent upon Decontamination and Decommissioning (D&D) and is reflected accordingly in the 2006 Baseline.

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BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - 903 Lip Area (900-155)	
<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - 903 Lip Area (900-155). Wind and rain to adjacent soil spread contamination for the 903 Drum Storage Area. The adjacent area around the Pad and extending to the Southeast Perimeter Road is referred to as the 903 Lip Area. Soil southeast of the drum storage area mostly strongly affected because of the prevailing wind direction and topography. During the construction of the asphalt pad over the main part of the storage area, the lip area was regraded, and fills dirt placed over a wide area around the pad. The fill material became contaminated as well. Wind and surface water runoff in an area exceeding 2,000 acres distributed approximately 16 grams of Plutonium-239. In 1969, prior to the installation of the asphalt pad on the 903-storage area, it was estimated that 1.2 million square feet of soil onsite is contaminated above 500 dpm/g. Monitoring of the soil around the, 903 drum storage area has occurred periodically since 1958. Ground surveys for alpha detection were performed in 1964 and revealed contamination in the soil south and east of the storage area. The site characterization of IHSS 155 was completed per the Final Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155), and Americium Zone 1999, to be submitted to the agencies in September 1999. Results from the characterization will aid in the assessment of remedial alternatives.</p>	

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - OU02 Field Treatability Unit (900-1309)	
<p>Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - OU02 Field Treatability Unit (900-1309). Ten gallons of potentially contaminated water from an influent pipe system leading from Walnut Creek to the Operable Unit OU02 treatment system were released to the environment. The release was detected when a contractor responded to an alarm indicating that the release has occurred. The contractor identified a slow leak coming from a connection in the secondary containment portion of the influent pipeline. The source of the leak was a hole in the primary pipeline, which resulted from the separation of two pipes which, make up the secondary pipeline. Thirty to forty gallons of the water were contained by the secondary containment structure. The ten gallons release estimate was based on visual observation of the wetted soil area. The pumps were immediately shut down and an emergency work plan was initiated to repair the line, which was returned to service on December 8, 1993. Ten gallons of contaminated water leaked into the soil and was not removed. Surface and subsurface soils were collected at two locations with the spill area. Trichlorofluoromethane was detected in one surface soil and the corresponding subsurface soil sample at low levels. It is suspected that the chemical is a laboratory introduced contaminant and not attributable to the release. Based on the results of the soil samples collected, a contaminant source was not identified therefor, in accordance with RFCA, PAC NE-1309 is recommended for No Further Action (NFA).</p>	

BZ-A-INFO	9/29/1999
Note to File: 4th Annual HRR Update - OU03 Water Spill (900-1312)	

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - As part of the Interim Measures / Interim Remedial Action (IM/IRA) activities at OU02, surface water is collected at surface water stations SW-59, SW-61 and SW-132 and treated at the OU02 treatment facility. As a result of separation in the primary and secondary piping associated with the OU02 collection system, approximately two hundred gallons of surface water containing hazardous waste constituents were released to the environment from the influent pipe system leading from Walnut Creek to the OU02 treatment system. The pipeline was visually inspected eight hours prior to the discovery of the release. The leak was discovered when the influent flow totalizer meter showed a marked decrease in the amount of water entering the system and the operator proceeded to visually inspect the pipeline. The primary and secondary piping were found to be separated approximately 800 feet from the treatment unit, approximately 200 feet above the SW-61 collection point. The amount of material released to the soil was estimated to be approximately 200 gallons based on a visual determination of the size of the wetted area. In addition, possibly up to 6,000 gallons may have been released from the primary piping flowed through secondary piping and been returned to the SW-61 collection point. Approximately 97% of the water diverted to the treatment system are collected from SW-61. Approximately two hundred gallons were released to the soil based on the area wetted by the release. In addition, up to six thousand gallons may have returned to the SW-61 collecting point from the secondary point. Based on the results of the soil samples collected, a contamination source was not identified. In accordance with RFCA No Further Action (NFA) is recommended.

BZ-A-INFO

9/29/1999

Note to File: 4th Annual HRR Update - Seep Area near OU02 Influent Piping (900-1313)

Information Only Entry: Fourth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1998 through August 1, 1999 Revision 0 - Seep Area near OU02 Influent Piping. During a Colorado Department of Public Health and Environment (CDPHE) inspection of Walnut Creek two to three gallons of a glossy liquid substance was noticed in a stagnant pool. This was within the creek bed approximately ten feet downstream from the OU02 water treatment facility intake (SW-61). Both plant and CDPHE personnel collected samples on March 18, 1994. Additional samples were collected by personnel on March 24, April 7, and October 25, 1994. Validated results from all but the October sampling event show elevated levels of vinyl chloride, and other volatile organics listed. Vinyl Chloride is not a contaminant of concern identified in the influent waters pumped to the OU02 water treatment facility. The stagnant appearance of the pool and the glossy sheen observed on the surface were determined to be from anaerobic degradation typical of "pond scum" environments, however sample results from three sampling events indicate the presence of Volatile Organic Compounds (VOCs). Based on the results of the sediment samples collected, a contaminant source was not identified. All potential contaminants of concern were below RFCA action levels. The installation of a trench designed to intercept and treat contaminated groundwater ensures that contaminants are not being introduced into Walnut Creek. In accordance with RFCA PAC 900-1313 is recommended for No Further Action (NFA).

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Trench T-3 (IHSS 110; PAC NE-110)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Trench T-3 (IHSS 110; PAC NE-110). T-3 was used primarily for the disposal of sanitary wastewater treatment plant sludge. Some Uranium (U) and Plutonium (Pu) contamination was present in sludge during this time frame. It is reported that the older sludge would have had primarily (U) contamination with newer sludge having and increasing amount of (Pu) contamination. Approximately 1,706 cubic yards of Volatile Organic Compound (VOC) contaminated material was removed from T-3 and treated. Excavation was completed July 3, 1996 and treatment of T-3 material was completed by July 11, 1996. The soils treated as part of the source removal action were returned to the trench. Debris excavated from the trench was treated, size reduced, containerized and characterized. The containerized debris was shipped to the Nevada Test Site (NTS) in September 1997. The post-treatment levels of VOCs in the soils returned to T-3 were less than the thermal desorption unit performance standards specified in the US Department of Energy (DOE) Proposed Action Memorandum (PAM). Trench T-3 is proposed as No Further Action (NFA) because the source removal and treatment goals specified in the PAM were achieved and are consistent with the action levels in Rocky Flats Cleanup Agreement (RFCA). In accordance with the PAM 1996, the source removal would be considered complete if analysis from verification samples were below cleanup levels or upon reaching groundwater or bedrock. Any remaining contamination beyond these criteria would be subject to groundwater remediation. In 1999, the East Trenches groundwater remediation project was completed to collect and treat a plume of contaminated groundwater. That project is described in the Final East Trenches Plume Project Closeout Report 2000.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Diesel Spill at Pond B-2 Spillway (PAC NE-1404)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Diesel Spill at Pond B-2 Spillway (PAC NE-1404). A release of approximately eighteen gallons of diesel fuel resulted from a leak in the fuel tank of a portable pump used to transfer water from Pond B-2 and Pond A-2. The release occurred in the spillway area of Pond B-2 approximately fifteen feet from the shore of the pond and was reported to the Regulatory Agencies on October 27, 1992. A containment dike was built around the pump to prevent residual fuel from entering the pond. Absorbent booms were pulled across Pond B-2 from west to east to absorb the fuel release. The spill area was cleaned up until no visual evidence or odor of contamination was present. The pond area was monitored by visual examination for the presence of oil sheen for one week after the spill. Soil was removed and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compounds (VOC), that were not detected above detection limits. Based upon the nature of the release and response to the occurrence, a residual source of contamination is not likely. Additional sampling will be conducted at four locations in early 2001.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Trench T-1 (PAC 900-108)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Trench T-1 (PAC 900-108). There are approximately 125 drums of containing approximately 25,000 kilograms of Depleted Uranium Chips and Lathe Coolant buried in this Trench. At the time this material was buried, RFP policy permitted U transportation offsite in the form of U Oxide. Because most of the U was contaminated with numerous inert materials, it would not readily oxidize, therefore preventing shipment. Conflicting information was found during this study regarding the potential contaminants in the trench. All references that mention the origin of the waste confirm that it was from Building 444 Exclusively. It is believed from interviews with retired RFP employees that B444 processed Uranium and not Plutonium; yet, several references state that analytical results from a drum uncovered in 1982 indicated the presence of Pu. There were many references that indicate the removal of contaminated soil from the area north of Central Avenue and west of the East Gate. It is uncertain whether the soil became contaminated from the Mound Area [PAC 900-113], the Oil Burn Pit [900-153], or T-1, which were all in close proximity. Because the source of contamination was successfully removed as documented in these narrative and associated documents, IHSS 108 meets the criteria set fourth in RFCA for No Further Action (NFA).

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - 903 Pad (PAC 900-112)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - 903 Pad (900-112). Drums were stored in the 903 Pad area since the summer of 1958 when drums from the "east pad" of Building 444 [PAC 600-1001] were found to be leaking. The contents of the drums were transferred to tight drums, which were then placed in the 903 area. A 1955 aerial photograph clearly shows some activity in the 903 Storage Area. No supporting documentation was found which identifies the nature of this activity. Drums were leaking and rusting in storage at the 903 area in December 1959. By November 1960, significant leaking was noted from the drums in storage; many drums became empty while in storage. These drums were placed on pallets on the ground. These drums originated from the process buildings. It has been estimated that approximately 150 grams of Plutonium leaked into the soil with approximately 23 grams covered by the asphalt pad, 94 grams within the plant boundary, and 33 grams in soil outside of the boundary. It was determined in 1971 that the Pad area presented no immediate public health hazard and that the Pu contaminated soil under and around the Pad would be removed eventually. The Final Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area was implemented in 1998 and 1999. Documentation of the findings will be provided in the Site Characterization Report for the 903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155) and Americium Zone to be submitted to the Agencies in September 1999. Results for the characterization will aid in the assessment of remedial alternatives. Tier I exceedances in surface and subsurface soils require an action as discussed in Action Level Framework (ALF) of RFCA. An IM/IRA decision document will be initiated to address soils in the 903 Pad, 903 Lip Area and Americium Zone in 2002.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Hazardous Disposal Site (PAC 900-140)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Hazardous Disposal Site (IAG Name: Reactive Metal Destruction Site) (PAC 900-140). An area in the southeast portion of the 400-acre manufacturing area was used for the destruction and disposal of reactive metals and other chemicals. Metallic Lithium was destroyed on the ground in the 1950s and 1960s. The activity was described in 1967 as Lithium waste being disposed of in trench, moistened, and then covered with fill at the southwest corner of the site. Unknown quantities of other reactive metals (sodium, calcium, and magnesium) and some solvents were also destroyed at this location. Approximately 400 to 500 pounds of Lithium were destroyed and the residues, primarily non-toxic Lithium carbonate were buried. As part of the Phase II RFI/RI investigation for OU02, nine boreholes were drilled to delineate the nature and extent of contamination. The samples were analyzed and presented in Table 2.6 along with the corresponding RFCA Tier I and II subsurface soil levels, which exceeded action levels. This required an evaluation to be made to determine if an action is necessary to protect surface water or ecological resources. Results indicated that both Tier I and II radionuclide soil action levels for open space used are exceeded within the boundary of IHSS 140. Actions based on these exceedances will be evaluated with 903 Drum Storage, Lip Area and Americium Zone IM/IRA.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - 903 Lip Area (PAC 900-155)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - 903 Lip Area (PAC 900-155). Wind and rain to adjacent soil spread contamination for the 903 Drum Storage Area. The adjacent area around the Pad and extending to the Southeast Perimeter Road is referred to as the 903 Lip Area. Soil southeast of the drum storage area mostly strongly affected because of the prevailing wind direction and topography. During the construction of the asphalt pad over the main part of the storage area, the lip area was regraded, and fills dirt placed over a wide area around the pad. The fill material became contaminated as well. Wind and surface water runoff in an area exceeding 2,000 acres distributed approximately 16 grams of Plutonium-239. In 1969, prior to the installation of the asphalt pad on the 903-storage area, it was estimated that 1.2 million square feet of soil onsite is contaminated above 500 dpm/g. Monitoring of the soil around the, 903 drum storage area has occurred periodically since 1958. Ground surveys for alpha detection were performed in 1964 and revealed contamination in the soil south and east of the storage area. The site characterization of IHSS 155 was completed per the Final Sampling and Analysis Plan (SAP) for the Site Characterization of the 903 Drum Storage Area (IHSS 112), 903 Lip Area (IHSS 155), and Americium Zone 1999, to be submitted to the agencies in September 1999. Results from the characterization will aid in the assessment of remedial alternatives. The site characterization of IHSS 155 has been completed and Tier I exceedances in surface soil requires an action as discussed in Action Level Framework (ALF) of RFCA. An IM/IRA decision document will be initiated to address soil in the 903 Lip Area and Americium Zone, as well as the 903 Pad in 2002.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Gas Detoxification Area (PAC 900-183)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Gas Detoxification Area (PAC 900-183). Building 952 was constructed in 1963 as a Toxic Gas Storage Building, which was managed by Industrial Hygiene. Since at least January 1967, firemen exercising extreme caution due to the nature of the gases transported bottles containing hazardous gases from various buildings to Building 952. Typically, shipments consisted of one or two lecture-size gas bottles. Prior to January 1967, Plant Services personnel transported the bottles, often improperly. No reported incidents were found. Gases were stored for up to five years prior to disposal. Selected gases were detoxified at the site. The method of detoxification was selected based on the characteristics of the material. Others were packed and shipped to off-site vendors for disposal. No documentation was found that detailed any specific released to the environment. Selected gases were detoxified using various commercial neutralization processes available at the time. No documentation was found that detailed any release from IHSS 183 and was studied as part of Operable Unit OU02. It is suspected that a release at IHSS 183 has not occurred. This is based on the fact that no documentation referencing a release has been found and that contamination was not detected in the borehole location near the IHSS. It is recognized that IHSS 183 overlaps with IHSS 155, which will be addressed as a separate action. Recommendation for No Further Action (NFA) at this site is consistent with the criteria for recommending NFA decisions presented in RFCA, Attachment 6 RCRA Guidance 1996.

BZ-A-INFO

9/8/2000

Note to File: 5th Annual HRR Update - Septic Tank East of Building 991 (PAC 900-1311)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Septic Tank East of Building 991 (PAC 900-1311). This structure is referred to in several documents by a variety of names including "temporary sewage disposal bed", "sewage test area", "septic tank" and wooden septic tank. During a recent interview, the carpenter believed to have been contracted, for construction of a wooden septic tank recalled that the location of the structure was approximately 200-300 yards east of B991. The carpenter described a brownish, odorous liquid flowing from a roughly 4-inch diameter metal pipe into the wooden structure where the carpenters were working during construction of the tank. At that time, an employee made a reference to the liquid needing to be kept away from the creek and nearby cattle. The project was then not completed, as it was believed to be bringing exposure to men working and being exposed to a potentially dangerous liquid. Based on review of waste disposal documents during 1952, the fluid flowing into the temporary sewage disposal bed is believed to have been sewage. No documentation was identified which noted the termination of usage or removal of the septic tank, however the Building 995 activated sewage sludge treatment system may have replaced the use of this tank in 1953. Sampling of this area showed concentrations below the risk-based concentration and is recommending No Further Action (NFA) in accordance with RFCA.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - Release of F001 Listed Waste Water to Soil (PAC 900-1318)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - Release of F001 Listed Wastewater to Soil (PAC 900-1318). A small amount of water was discovered leaking for a level-indicting valve associated with the SW-59 collection tank. The valve was positioned in the north side if the tank and the estimated volume if water reaching the soil was an estimated one pint. The water contained F001 listed RCRA constituents. The fitting was tightened immediately which stopped the leak and the area was monitored for Volatile Organic Compound (VOC) during remediation of the soil. Approximately one 55 -gallon drum of soil was removed and transported to a RCRA Unit (18.03) after radiological screening was performed. The analytical data confirmed that the potentially contaminated soil had been removed. The PAC does not warrant further investigation due to the small amount of material released to the environment. PAC 900-1318 is therefor proposed for No Further Action (NFA) consistent with RFCA guidance.

BZ-A-INFO

9/28/2000

Note to File: 5th Annual HRR Update - West Scrap Metal Storage and Solvent Spill Area (PAC 900-119.1)

Information Only Entry: Fifth Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP): August 1, 1999 through August 1, 2000 Revision 0 - West Scrap Metal Storage and Solvent Spill Area (PAC 900-119.1). This area is one of two sites used for scrap metal storage in the southeast portion of the 400-acre manufacturing area. Individual Hazardous Substance Site IHSS 119.1 (PAC 900 -119.1) was the western site located on a flat area just north of the Southeast Perimeter Road. In September 1968, arrangements were made to relocate metal piles to limit traffic through the area. Pieces of scrap metal may have been contaminated with residual oils and hydraulic coolants, which could have dripped onto the soil. Three radiological "hot spots" were found during a routine radiometric survey in August 1981. Two additional "hot spots" were identified during Phase III Final Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) investigations in 1994. No documentation was found that detailed the fate of the constituents released to the environment. The amended remedy to be taken at IHSS 119.1 will be agreed upon by the Agencies with the approved Corrective Action Decision / Record of Decision (CAD/ROD) amendment in Fiscal Year 1998. A groundwater collection and treatment system was installed on 1992 and consists of a 1,435-foot long French Drain and a separate up-gradient Collection Well to prevent potential contaminant migration. Waste collected is treated in the Combined Water Treatment Facility (Building 891). The water is consistently below RFCA Tier 2 Action Levels the OU01 CAD/ROD Modification (in Progress) is expected to include one year continued extraction and treatment of groundwater for the Collection Well to continue monitoring the plume.

BZ-A-INFO

9/1/1996

Note to File: 1st Annual HRR Update - Ryan's Pit (a.k.a. Trench T-2)

Information Only Entry: Historical Release Report (HRR) for the Rocky Flats Plant (RFP); January 1992 (Environmental Project Status, To Date) - Ryan's Pit (a.k.a. Trench T-2; Individual Hazardous Substance Site IHSS 109). Ryan's Pit was primarily used for disposal of non-radioactive solvents, paint thinners, and other construction related chemicals / materials. The operation was to perform radiation screening of the waste and if identified as non-radioactive, the solvents were dumped in the trench as a method of disposal. After a review of the information gathered in preparation of the HRR, it is believed that Ryan's Pit was not used in the same manner as the East Trenches as indicated in RCRA 3004(u). Soils contaminated from the dumping of solvents and other wastes were sampled extensively upon removal in 1995 and prior to treatment, showed elevated Volatile Organic Compounds (VOC) including tetrachloroethene, xylene, toluene, 1,1,1-trichloroethane, trichloroethene, and ethylbenzene. Radiological samples collected show Plutonium-239, americium-241 and Uranium-233-234, 235, and 238 at levels above background in the excavated soils; however, these radiological levels are less than the 15 mrem hypothetical future resident scenario. Disposal of waste at Ryan's Pit was discontinued in 1971 and the trench was backfilled.

BZ-A-INFO

5/30/2001

Note to File: HSA Report, May 30, 2001 - 881 Cluster Closure Project

Information Only Entry: RISS Facility Characterization Historical Site Assessment (HSA) Report, 881 Cluster Closure Project; November 6, 2001. The 881 Cluster facilities include Buildings 881, 881C Cooling Tower, 881F Filter Plenum, 881G Emergency Generator, 881H Electrical Equipment, 881/883 Tunnel, 830 Isolated Power, 882 Pad, 885 Paint and Oil Storage, 887 Sanitary and Process Waste Lift Station, 890 Cooling Tower Pump House, 890 Pad, 881 Stacks S1, S2, and S3, 881 Cluster Exterior Tanks: TK66 Diesel Storage, Tank 002 Steel Fuel Tank, Tank 013 Concrete Foundation Drain. Additionally, this Cluster has several Individual Hazardous Substance Sites IHSS, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) that are either in the buildings, under the buildings, or close enough to the buildings to warrant mention. These include UBC 881, UBC 887, IHSSs 102, 103, 104, 105.1, 105.2, 106, 107, 145, 147.2, 177, 178, 211, 217, and PACs 800-1207, 800-1205, 800-1206, and 800-1208. Buildings 881 and 887 also have several areas on the "Master List of RCRA Units" : Building 881 - Units 26, 32, 881.3A, and 881.3B. Building 887 - Units 887.2A, 887.2B, 887.2C, 887.2D, 887.2E, 887.2F, and 887.2G. Building 881 and 887 are on the Under Building Contaminant (UBC) list as UBC 881 and UBC 887. The UBC list is not intended to be a complete list of buildings with UBC, but rather a list of buildings whose operating history or historical events show that under building contamination may exist. UBC 881 is still active. Building 881 houses the Chemical Standards Lab, the Central Computer System, and Office Support Operations. Various other operations have been conducted in the building, such as Uranium recovery, machining and fabrication. Use of this building began in 1953. Waste lines have been broken with probable infiltration to the soil.

BZ-A-INFO

7/30/1993

Note to File: Ref Id. NE-1405 - OU02, Phase 2 Field Treatability Unit

Information Only Entry: Fourth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1993 through July 1, 1993: Id. NE-1405, OU02, Phase II Field Treatability Unit. The hazardous substance release was the result of overfilling a diesel fuel tank, which supplied a portable generator. Twenty gallons of fuel were spilled onto the ground while fueling operations were taking place. The release was cleaned up with absorbent material and later excavated until all indication of fuel presence was gone. Seventeen gray drums were filled the following day with soil contaminated by diesel fuel.

BZ-A-INFO	7/30/1993
Note to File: Ref Id. NE-1407 - OU02, Treatability Unit	
Information Only Entry: Fourth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1993 through July 1, 1993: Id. NE-1407, OU02, Treatability Unit. Fifty gallons of separately collected seepage/spring water that would otherwise flow into the South Walnut Creek leaked. The leak occurred from a ruptured elbow in a secondary containment line and the water was pumped to the OU02 treatment facility. An employee of Reidel Environmental Services discovered the release in response to an alarm signaling that the release had occurred. The leaked water was separately collected to be treated in a chemical precipitation/microfiltration/granular activated carbon system as part of an Interim Measures / Interim Remedial Action (IM/IRA) being implemented at OU02.	

BZ-A-INFO	7/30/1993
Note to File: Ref Id. NE-1406 - OU02 Test Well; Current Well No. 219-93	
Information Only Entry: Fourth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1993 through July 1, 1993: Id. NE-1406, OU02 Test Well; Current Well No. 219-93. Ten gallons of groundwater was spilled when a casing being inserted into a new bedrock monitoring well forced the water out of the hole and onto the ground. An approximate two-foot by eight-foot area was wetted in the incident. Testing of a well twenty feet upgradient (well 36-87) has identified the following F-001 contaminants in the groundwater: carbon tetrachloride, trichloroethylene and tetrachlorethylene. Chloroform and 1, 1-dichloroethylene, both of which are chemical analytes covered by Toxicity Characteristics Leaching Procedure (TCLP), were also identified in the water upgradient from the spill site. Data from laboratory testing of water from the spill site monitoring well are not yet available. A desiccant was immediately applied to the area to absorb the water and prevent it from spreading. The wet desiccant, wet dirt from below the desiccant, and a layer of dry dirt were removed from the area, containerized, and are being managed as investigation derived material.	

BZ-A-INFO	10/29/1993
Note to File: HRR Update - RCRA CPI Report - Potentially Contaminated Water	
Information Only Entry: Fifth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR): Id. TBD - Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation (CPI) Report 93-005. Reports the April 26, 1993 release of ten gallons of potentially contaminated water (F001, F005) that was spilled onto the soil when a length of surface casing was inserted into, a bedrock monitoring well. This occurred in the northeast trench area of OU02 at a test well which, is a part of the Baseline Risk Assessment (BRA).	

BZ-A-INFO	1/1/1994
Note to File: Ref Id. 900-1309 - OU02 Field Treatability Unit	

Information Only Entry: Sixth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), October 1, 1993 through January 1, 1994: Id. 900-1309, Operable Unit OU02, Field Treatability Unit. Ten gallons of potentially contaminated water from an influent pipe system leading from Walnut Creek to the Operable Unit OU02 treatment system were released to the environment. The release was detected when a contractor responded to an alarm indicating that the release has occurred. The contractor identified a slow leak coming from a connection in the secondary containment portion of the influent pipeline. The source of the leak was a hole in the primary pipeline, which resulted from the separation of two pipes which, make up the secondary pipeline. Thirty to forty gallons of the water were contained by the secondary containment structure. The ten gallons release estimate was based on visual observation of the wetted soil area. No Individual Hazardous Substance Site IHSS was involved in this incident.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. NE-1410 - Diesel Fuel Spill at Field Treatability Unit OU02

Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NE-1410, Diesel Fuel Spill at Field Treatability Unit OU02. On October 10, 1993 the Rocky Flats Plant (RFP) garage personnel were refueling an emergency generator unit with diesel fuel at Operable Unit OU02. The operator turned his back in the operation to shield himself from wind, and when he turned back around the automatic nozzle valve had not automatically turned off as expected, resulting in approximately 0.5 to 1 gallon of fuel spilling inside the generator unit.

On October 11, 1993 the generator was being filled again. The OU02 project manager was conducting a shift inspection at this time and notice a shiny pool of two to three gallons of a substance on the ground on the north side of the generator.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. NE-1411 - Diesel Fuel Spill at Field Treatability Unit OU02

Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NE-1411, Diesel Fuel Spill at Field Treatability Unit OU02. As garage employees were refueling a diesel generator located near Operable Unit OU02, approximately twenty gallons of diesel fuel were released to the ground. The incident occurred during the transfer of fuel from the generator (tank b to tank A). The multi-tank fueling process is necessary due to limited space near the generator. The generator is initially refueled from Tank A, which in turn is refueled through a hose from Tank B. Due to extreme cold, the employees attending the refueling operation were sitting in the truck cab and were not able to hear a problem over the generator noise. When they smelled diesel fumes, they immediately cut the mater switch from inside the cab and notified the Shift Supervisor of the spill. It was determined that the back feed preventer tube on the pump nozzle froze, causing the automatic shut-off to malfunction, releasing approximately twenty gallons of diesel fuel to the ground. Although the generator itself is located within secondary containment, the spill area was not within the containment and diesel was release to the soil.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. NW-1503 - Improper Disp of Fuel Contaminated Material at Landfill (IHSS 114)

Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NW-1503, Improper Disposal of Fuel Contaminated Material at Landfill (IHSS 114). Empty motor oil containers, used oil filters and oil-stained debris were, inadvertently disposed of in the present landfill. The used oil filters are regulated as Resource Conservation and Recovery Act (RCRA) hazardous waste due to lead levels at 99 ppm, which exceed the Toxicity Characteristic Leaching Procedure (TCLP) limit of 5 ppm. The materials of concern were immediately recovered and drummed by landfill personnel. The RCRA Contingency Plan was implemented and a determination was made that due to the prompt recovery of the material, no actual or potential threat to the environment or human health was posed.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. NW-1504 - Improper Disposal of Thorosilane-Contaminated Material at Landfill (IHSS 114)

Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NW-1504, Improper Disposal of Thorosilane-Contaminated Material at Landfill (IHSS 114). This incident occurred as a result of spill in Building 551 when a five-gallon bucket containing five-gallons of Thorosilane product leaked into the double bags surrounding the can. Thorosilane is an ignitable liquid, which was stored in the B551 Warehouse Flammable Storage Vault No. 4. The material released into the surrounding bags was cleaned up by a warehouse employee. The employee had been given proper disposal instructions by the Environmental Coordinator to dispose of the spilled material, but misunderstood the cleanup procedure. As a result, the spill was cleaned up by placing the bucket containing the unspilled Thorosilane and the bags containing the released Thorosilane in a twenty gallon poly-pack drum and adding seventy-five pounds of Oil-Dri to the top without properly agitating the drum contents. The drum was then sealed and placed in a dumpster. The contents of the dumpster were transferred to the trash truck and subsequently placed into the sanitary landfill.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. 900-1312 - OU02 Water Spill

Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. 900-1312, Operable Unit OU02 Water Spill. As part of the Interim Measures / Interim Remedial Action (IM/IRA) activities at OU02, surface water is collected at surface water stations SW-59, SW-61 and SW-132 and treated at the OU02 treatment facility. As a result of separation in the primary and secondary piping associated with the OU02 collection system, approximately two hundred gallons of surface water containing hazardous waste constituents were released to the environment from the influent pipe system leading from Walnut Creek to the OU02 treatment system. The pipeline was visually inspected eight hours prior to the discovery of the release. The leak was discovered when the influent flow totalizer meter showed a marked decrease in the amount of water entering the system and the operator proceeded to visually inspect the pipeline. The primary and secondary piping were found to be separated approximately 800 feet from the treatment unit, approximately 200 feet above the SW-61 collection point. The amount of material released to the soil was estimated to be approximately 200 gallons based on a visual determination of the size of the wetted area. In addition, possibly up to 6,000 gallons may have been released from the primary piping flowed through secondary piping and been returned to the SW-61 collection point. Approximately 97% of the water diverted to the treatment system is collected from SW-61.

BZ-A-INFO	4/1/1994
Note to File: Ref Id. NE-1408 - OU02 Test Well; Current Well No. 219-93	
<p>Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1993: Id. NE-1408, OU02 Test Well; Current Well No. 219-93. Ten gallons of groundwater was spilled when a casing being inserted into a new bedrock monitoring well forced the water out of the hole and onto the ground. An approximate two-foot by eight-foot area was wetted in the incident. Testing of a well twenty feet upgradient (well 36-87) has identified the following F-001 contaminants in the groundwater: carbon tetrachloride, trichloroethylene and tetrachlorethylene. Chloroform and 1, 1-dichoroethylene, both of which are chemical analytes covered by Toxicity Characteristics Leaching Procedure (TCLP), were also identified in the water upgradient from the spill site. Data from laboratory testing of water from the spill site monitoring well are not yet available. A desiccant was immediately applied to the area to absorb the water and prevent it from spreading. The wet desiccant, wet dirt from below the desiccant, and a layer of dry dirt were removed from the are, containerized, and are being managed as investigation dervied material.</p>	

BZ-A-INFO	4/1/1994
Note to File: Ref Id. NW-1500 - Operable Unit 10, PU&D Yard Unit	
<p>Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NW-1500, Operable Unit 10, PU&D Yard Unit. Approximately one and one half gallons of diesel fuel spilled onto the ground at the PU&D storage yard during a routine fueling operation for a fork truck. A fuel nozzle assembly was placed on an automatic setting but failed to shut off automatically when the fuel tank reached capacity. Based upon process knowledge diesel spills and excavated soils are managed as RCRA regulated waste until sampling and analysis can confirm that levels of benzene do not exceed toe TCLP limit. The US Environmental Protection Agency (EPA) waste code for this waste is D018. The location of the spill is within the Individual Hazardous Substance Site IHSS 170 boundary.</p>	

BZ-A-INFO	4/1/1994
Note to File: Ref Id. NW-1501 - Operable Unit 10, PU&D Yard Unit	
<p>Information Only Entry: Seventh Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NW-1501, Operable Unit 10, PU&D Yard Unit. On November 12, 1992 at 1600 hours it was discovered that a reportable quanity of asbestos (approximately one and one half pounds) was released to the environment from a boiler being stored on the PU&D storage yard. The location of the spill is identified as being within the Individual Hazardous Substance Site IHSS 170 boundary. Analytical data gathered from samples show bulk asbestos concentrations at 60 percent of the total volume of sample analyzed. Visual observations indicate that 15 square feet of asbestos insulation was missing. Containment operations began immediately by wetting down the boiler and surrounding ground and covering the area in plastic.</p>	

BZ-A-INFO	4/1/1994
Note to File: Ref Id. NW-1502 - Present Landfill (OU07; IHSS 114)	

Information Only Entry: Second Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. NW-1502, Present Landfill. A release to the environment of greater than the reportable quantity of RCRA regulated hazardous waste was reported on September 25, 1992. The hazardous substance release was the result of improper disposal of cleanup materials (soil and absorbent) from a diesel fuel spill at the present landfill location. Approximately one gallon of fuel was spilled onto the asphalt surface while patching the building 850 parking lot. The release was cleaned up with 50 pounds of soil and oil-dri absorbent and inadvertently taken to the landfill for disposal.

Based upon process knowledge, cleanup materials from diesel spills are managed as RCRA regulated waste because the material could contain levels of benzene that exceed the TCLP limit. The EPA waste code for this waste is D018.

BZ-A-INFO

4/1/1994

Note to File: Ref Id. 900-1310 - Hillside Spill North of SEP 207B North

Information Only Entry: Second Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), January 1, 1994 through March 31, 1994: Id. 900-1310, Hillside Spill North of Solar Evaporation Pond (SEP) 207B North. A release of approximately 490 gallons of interceptor trench water was reported on November 30, 1992. Surface water runoff and potentially contaminated groundwater are collected in the Interceptor Trench Pump House (ITPH) system prior to being pumped from a centralized sump into the 207B North Solar Evaporation Pond. The release originated from a separation of a pipe coupling in the 3" transfer line on the east slope of the Pond berm and flowed onto the surrounding soil. The 3 foot section of drain hose that was connected to the end of the inlet pipe to the 207B North Pond, had frozen during several days of sub zero weather. This caused a back pressure in the pipe when the interceptor central sump began to pump water into the pond.

BZ-A-INFO

9/1/1996

Note to File: 1st Annual HRR Update - Trench A, South of the Present Landfill

Information Only Entry: First Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); September 1996 - Trenches South of the Present Landfill (Trenches A {Individual Hazardous Substance Site IHSS 166.1}, B, and C). Results of the Colorado Department of Public Health and Environment (CDPHE) Conservative Screen on soil samples collected from this IHSS, as reported in the final Operable Unit OU06 Letter Report (DOE, 1994), indicate that any constituents released to the environment from the soil present negligible risk to human health and the environment. The results of the CDPHE conservative screen on the groundwater samples collected for the five nearby monitoring wells suggest that residential exposure to groundwater in the vicinity of the IHSS could be a threat to human health. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. The metals detected in unfiltered groundwater samples are probably naturally occurring and are likely associated with elevated TSS in the groundwater samples. The trenches also do not appear to be the source of organic contaminants in the local groundwater. In accordance with the No Further Action (NFA) decision criteria developed mutually by the US Department of Energy (DOE), the US Environmental Protection Agency (EPA), CDPHE, Kaiser-Hill Company, L.L.C. (K-H), and Rocky Mountain Remediation Services, L.L.C. (RMRS), any geographic area that passes the CDPHE conservative screen is a candidate for NFA. Passing the conservative screen requires a carcinogenic and non-carcinogenic risk ratio sum of below 1 each. Based on accumulated evidence, the NFA decision criteria are met and no further action is warranted for soils at this IHSS. The update to the HRR does not include a No Action recommendation for groundwater (See: Sitewide Groundwater Conceptual Plan).

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BZ-A-INFO	7/1/1994
Note to File: Ref Id. 900-1309 - OU02 Field Treatability Unit	
<p>Information Only Entry: Eighth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), April 1, 1994 through June 30, 1994: Id. 900-1309, Operable Unit OU02, Field Treatability Unit. Ten gallons of potentially contaminated water from an influent pipe system leading from Walnut Creek to the Operable Unit OU02 treatment system were released to the environment. The release was detected when a contractor responded to an alarm indicating that the release has occurred. The contractor identified a slow leak coming from a connection in the secondary containment portion of the influent pipeline. The source of the leak was a hole in the primary pipeline, which resulted from the separation of two pipes which, make up the secondary pipeline. Thirty to forty gallons of the water were contained by the secondary containment structure. The ten gallons release estimate was based on visual observation of the wetted soil area. No Individual Hazardous Substance Site IHSS was involved in this incident.</p>	

BZ-A-INFO	10/1/1994
Note to File: Ref Id. 900-1313 - Seep Area near OU02 Influent Piping	
<p>Information Only Entry: Ninth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), July 1, 1994 through September 30, 1994: Id. 900-1313, Seep Area near Operable Unit OU02 Influent Piping. During a Colorado Department of Public Health and Environment (CDPHE) inspection of Walnut Creek two to three gallons of a glossy liquid substance was noticed in a stagnant pool within the creek bed approximately ten feet downstream from the OU02 water treatment facility intake (SW-61). Samples were collected by both plant, and CDPHE personnel on March 18, 1994. Additional samples were collected by personnel on March 24, April 7, and October 25, 1994. Validated results from all but the October sampling event show elevated levels of vinyl chloride, and other volatile organics listed. Vinyl Chloride is not a contaminant of concern identified in the influent waters pumped to the OU02 water treatment facility. The stagnant appearance of the pool and the glossy sheen observed on the surface were determined to be from anaerobic degradation typical of "pond scum" environments, however sample results from three sampling events indicate the presence of Volatile Organic Compounds (VOCs).</p>	

BZ-A-INFO	10/1/1994
Note to File: Ref Id. SW-1701 - Recently Identified Ash Pit	

Information Only Entry: Ninth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), July 1, 1994 through September 30, 1994: Id. SW-1701, Recently Identified Ash Pit. During normal drilling activities near Individual Hazardous Substance Sites IHSSs 133.5 and 133.6 within Operable Unit OU05, a subcontractor field crew encountered metallic debris with a count rate of 2500 counts per minute beta/gamma. While drilling the first several feet of core, small shavings of the metallic debris became invisible to the crew. Radiological monitoring confirmed that 2500 counts per minute beta/gamma were detected with a Ludlum Model 31 from the core barrel and the core box of the sampling equipment. The project was stopped temporarily and EG&G Rocky Flats, Inc. Radiological Engineering was notified. Geophysical surveys conducted in the 1993 field season identified this and other small anomalies with potential for radiological contamination from depleted Uranium (U) (235 and 238 isotopes). The activity of the material in the core was greater than 5000 dpm/100 cm-3, which exceeds the total fixed plus removable for beta/gamma contamination in Appendix 3 of the Occurrence Categorization Procedure.

BZ-A-INFO

7/1/1994

Note to File: Ref Id. SW-1702 - Suspected Ash Pit

Information Only Entry: Ninth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), July 1, 1994 through September 30, 1994: Id. SW-1702, Suspected Ash Pit. Geophysical (magnetometer) surveys conducted during the 1993 field season identified this area as being very similar to other anomalies in the Operable Unit OU05 Woman Creek Drainage. The survey indicates that metals and possible radiological contamination from depleted Uranium (U) (235 and 238 isotopes) exist at this site. On September 30, 1994, a similar anomaly (PAC SW-1701) was investigated near Individual Hazardous Substance Site IHSS 133.6 where radiological contaminated metallic debris was discovered. Similar anomalies in the area have shown radiological activity greater than 5000 dpm/100 cm-3, which exceeds the total fixed plus removable for beta/gamma contamination in Appendix 3 of the Occurrence Categorization Procedure. The potential for contamination metals in this and other areas along the Woman creek drainage within OU05 is likely due to similar histories. This area is suspected to be an ash pit used for discarding incinerated plant waste from a nearby incinerator (IHSS 133.5) which was in operation from 1952 to 1968. The incinerator was removed in approximately 1969.

BZ-A-INFO

9/1/1996

Note to File: 1st Annual HRR Update - Trench B, South of the Present Landfill

Information Only Entry: First Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); September 1996 - Trenches South of the Present Landfill (Trenches A, B {Individual Hazardous Substance Site IHSS 166.2}, and C). Results of the Colorado Department of Public Health and Environment (CDPHE) Conservative Screen on soil samples collected from this IHSS, as reported in the final Operable Unit OU06 Letter Report (DOE, 1994), indicate that any constituents released to the environment from the soil present negligible risk to human health and the environment. The results of the CDPHE conservative screen on the groundwater samples collected for the five nearby monitoring wells suggest that residential exposure to groundwater in the vicinity of the IHSS could be a threat to human health. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. The metals detected in unfiltered groundwater samples are probably naturally occurring and are likely associated with elevated TSS in the groundwater samples. The trenches also do not appear to be the source of organic contaminants in the local groundwater. In accordance with the No Further Action (NFA) decision criteria developed mutually by the US Department of Energy (DOE), the US Environmental Protection Agency (EPA), CDPHE, Kaiser-Hill Company, L.L.C. (K-H), and Rocky Mountain Remediation Services, L.L.C. (RMRS), any geographic area that passes the CDPHE conservative screen is a candidate for NFA. Passing the conservative screen requires a carcinogenic and non-carcinogenic risk ratio sum of below 1 each. Based on accumulated evidence, the NFA decision criteria are met and no further action is warranted for soils at this IHSS. The update to the HRR does not include a No Action recommendation for groundwater (See: Sitewide Groundwater Conceptual Plan).

BZ-A-INFO

1/1/1995

Note to File: Ref Id. NE-1412 & NE-1413 - Trenches T-12 & T-13 OU02, East Trenches

Information Only Entry: Tenth Quarterly Update to the Rocky Flats Plant (RFP) Historical Release Report (HRR), September 30, 1994 through December 31, 1994: Id. NE-1412 and NE-1413, Trenches T-12 and T-13 located in Operable Unit OU02, East Trenches. The exact dates of operation for the east trenches are unknown, except for the time period of July 29, 1954 through August 14, 1968. Aerial photographs indicate that T-12 was open between 1966 and 1967 but entirely covered by asphalt in 1968 when the east access road was built. T-12 and T-13 were identified and incorporated into the Remedial Investigation (RI) for OU02 (East Trenches) in June of 1993 when a plant employee completed further research of aerial photographs in the east trench area. T-13 (PAC NE-1413) was visible only in vertical aerial photographs taken on April 15, 1966 and April 29, 1967 and is now covered by the East Access Road (north bypass) 900 feet east of the inner east guard gate. It is estimated to be nearly 250 feet in length and was filled with dark gray material as seen in the photograph. An Employee was contacted who remembers that this trench may contain some laboratory wastes. T-12 (PAC NE-1412) was identified as an extension of a previously identified trench (IHSS 111.8) during the same time period. Both trenches lie primarily beneath the East Access Road. The trenches were used for disposal of sanitary wastewater treatment plant sludge. The dried material removed from the sludge drying beds was typically placed in the disposal trench. The total amount of sludge disposed of in the East Trench area is estimated to be 125,000 kilograms. The trenches are documented as being 10 feet deep with several feet of soil cover.

BZ-A-INFO

9/1/1996

Note to File: 1st Annual HRR Update - Trench C, South of the Present Landfill

Information Only Entry: First Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); September 1996 - Trenches South of the Present Landfill (Trenches A, B, and C {Individual Hazardous Substance Site IHSS 166.3}). Results of the Colorado Department of Public Health and Environment (CDPHE) Conservative Screen on soil samples collected from this IHSS, as reported in the final Operable Unit OU06 Letter Report (DOE, 1994), indicate that any constituents released to the environment from the soil present negligible risk to human health and the environment. The results of the CDPHE conservative screen on the groundwater samples collected for the five nearby monitoring wells suggest that residential exposure to groundwater in the vicinity of the IHSS could be a threat to human health. Trenches A, B, and C do not appear to be the source of groundwater contamination in the nearby wells. The metals detected in unfiltered groundwater samples are probably naturally occurring and are likely associated with elevated TSS in the groundwater samples. The trenches also do not appear to be the source of organic contaminants in the local groundwater. In accordance with the No Further Action (NFA) decision criteria developed mutually by the US Department of Energy (DOE), the US Environmental Protection Agency (EPA), CDPHE, Kaiser-Hill Company, L.L.C. (K-H), and Rocky Mountain Remediation Services, L.L.C. (RMRS), any geographic area that passes the CDPHE conservative screen is a candidate for NFA. Passing the conservative screen requires a carcinogenic and non-carcinogenic risk ratio sum of below 1 each. Based on accumulated evidence, the NFA decision criteria are met and no further action is warranted for soils at this IHSS. The update to the HRR does not include a No Action recommendation for groundwater (See: Sitewide Groundwater Conceptual Plan).

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Trench T-3, (IHSS 110; OU02)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Trench T-3, Individual Hazardous Substance Site PAC NE-110 (IHSS 110). T-3 was used primarily for the disposal of sanitary wastewater treatment plant sludge. Some Uranium (U) and Plutonium (Pu) contamination was present in sludge during this time frame. It is reported that the older sludge would have had primarily (U) contamination with newer sludge having and increasing amount of (Pu) contamination. Approximately 1,706 cubic yards of Volatile Organic Compound (VOC) contaminated material was removed from T-3 and treated. Excavation was completed July 3, 1996 and treatment of T-3 material was completed by July 11, 1996. The soils treated as part of the source removal action were returned to the trench. Debris excavated from the trench was treated, size reduced, containerized and characterized. The containerized debris was shipped to the Nevada Test Site (NTS) in September 1997. The post-treatment levels of VOCs in the soils returned to T-3 were less than the thermal desorption unit performance standards specified in the US Department of Energy (DOE) Proposed Action Memorandum (PAM). Trench T-3 is proposed as No Further Action (NFA) because the source removal and treatment goals specified in the PAM were achieved and are consistent with the action levels in Rocky Flats Cleanup Agreement (RFCA).

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Trench T-4 (IHSS 111.1; OU02)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Trench T-4 (PAC NE-111.1, IHSS 111.1). Trench T-4 was used primarily for the disposal of sanitary waste water and sewage treatment plant sludge. The numbering systems for the trenches were slightly modified over time. A 1983 document describes a trench that had previously been referred as T-4 renumbered as T-11. This 1983 document placed T-4 essentially as an addition to T-3. Some Uranium (U) and Plutonium (Pu) contamination was present in the sludge during this time frame. It is reported that the older sludge had primarily (U) contamination with newer sludge (post 1958) having an increase amount of (P) contamination. The soil treated as part of the source removal action were returned to the trench. Debris excavated from the trench were also treated, size reduced, containerized and characterized. The containerized debris was shipped to the Nevada Test Site (NTS) in September 1997. The Action/ No Further Action (NFA) consisted of excavation at T-4 was stopped with the concurrence of the agencies in accordance with the Proposed Action Memorandum (PAM). The replacement of soil above the RCRA Tier II radiological action levels in T-4 was also agreed upon by agencies. It is understood that the soils replaced contained somewhat higher levels of radionuclides than other soils returned to the excavation, however their radiological levels are below the proposed Tier I values for office workers and future residential exposure. Because of this, NFA is proposed for T-4.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - A-Series Drainage and Ponds (Ponds A-1 - A-4)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - A-Series Drainage and Ponds (Ponds A-1, A-2, A-3 and A-4) (PAC NE-142.1, NE-142.4), Pond A-1 was built in January 1954. The first release from Pond A-1 occurred on March 10, 1954. Pond A-2 was built in 1973, Pond A-3 in 1974 and Pond A-4 in 1979. The use of the A-Series drainage has varied over the history of the Rocky Flats Plant (RFP). The general types of materials that have been directly or indirectly released to the A-series drainage (these are non-emergency and no-spill related) include untreated wastewater from Building 771, cooling tower and roof drain water from B774, also B774 evaporator condensate water, and footing drain flows. The B771 wastewater was primarily composed of decontamination laundry wastewater, but it also contained water from the analytical laboratory, radiography operations, personnel decontamination room and runoff. The reoccurring problem with the A-series drainage has been high nitrate concentrations in the water leaving the plant. As documented on the Phase I Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report for Operable Unit OU06, IHSS 142.4 was removed from further evaluation in the HHRA because concentrations did not exceed criteria established in the CDPHE screen and recommended NFA. IHSSs 142.1, 142.2 AND 142.3 have similar chemical constituents in the pond sediment. For all current and future onsite receptors the excess lifetime cancer risk was estimated at 1E-06 or less, indicating negligible risk to these receptors. The human health estimates support the recommendation for NFA and are consistent with the criteria for recommending NFA presented in RFCA.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - B-Series Drainage Ponds (Ponds B-1, B-2, B-3, B-4, B-5)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - B-Series Drainage Ponds (Ponds B-1, B-2, B-3, B-4 and B-5), IHSSs 142.5, 142.6, 142.7, 142.8 and 142.9. The use of the B-Series drainage began immediately upon opening of the plant. Until the early 1970s most drainage ponds were identified by strictly numeric designations. The original pond on the B-series drainage (Pond B-4) operated as a flow-through detention pond. Building 995 (sanitary wastewater treatment plant) discharged to South Walnut Creek upstream from the pond. The major component of discharges to the B-series drainage throughout the history of the plant has been treated sanitary effluent wastewater treatment plant, B995. However, at various times, other materials have been released directly to the B-series drainage or ponds. The general types of materials that have been routinely released include treated sanitary effluent, treated and untreated process water, treated and untreated decontamination laundry wastewater, cooling tower blowdown, footing drain flows and storm-water runoff. A sediment study conducted by CSU resulted in data that indicated radioactive contamination of sediments in the B-series drainage. Pond reconstruction activities in 1971 to 1973 were found to cause re-suspension and downstream migration of contaminated sediment. This caused the inventory of plutonium on B-1 sediment to increase from 0.085 curies in 1971 to 2.9 curies in 1973. Documented in the Phase I RFI/RI for OU06, IHSS 142.9 was removed from further evaluation due to the concentrations and recommended NFA. The OU06 CAD/ROD is expected to consistent with NFA recommendation.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Landfill Spray Fields (North Area - 167.1; OU06)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Landfill Spray Fields (North Area - 167.1). Spray evaporation was conducted near the landfill to prevent the release of waters from the landfill ponds. These ponds were intended to protect the release of surface water and groundwater in the vicinity of the landfill. The west pond was constructed to impound any leachate generated by the landfill. The East Pond was built to catch any overflow from the West Pond and to intercept groundwater and surface runoff. No documentation was found which detailed the fate of constituents released to the environment. The IHSS was studied as part of the Operable Unit OU06, Walnut Creek Priority Drainage. As documented in this OU06 RFI/RI Report, IHSS 167.1 was identified as an Area of Concern (AOC) based on the results of the CDPHE conservative screen for purposes of the HHRA. According to the ERA for the Walnut Creek Watershed indicated that barium concentrations detected within IHSS 167.1 would pose negligible risks to the small mammal receptor group is proposed No Further Action (NFA).

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - East Spray Fields (Center and South Areas IHSS 216.2 and 216.3)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - East Spray Fields (Center and South Areas), IHSSs 216.2 and 216.3. Individual Hazardous Substance Site IHSS 216.2 is located immediately north of the East Access Road and was only operated for a few years until it was closed due to erosion and soil slumping problems on hillsides near the spray field. IHSS 216.3 was a considerably larger spray field located immediately south of the East Access Road and was operated for a period of approximately ten years. The northernmost spray field, IHSS 216.1 was proposed for No Further Action (NFA) upon risk calculations in the First Annual Update to the HRR. Spray irrigation of Pond B-3 water was initiated in 1979 as an action to achieve zero off-site discharge of sanitary effluent from RFP. Water from Pond B-3, which receives treated sanitary wastewater flows, was applied to these spray fields. This activity was allowed in the National Pollution Discharge Elimination System (NPDES) Permit of May 1981. The analysis of treated sanitary effluent discharge to Pond B-3 and actual analysis of the pond water is representative of the water applied to the East Spray Fields. The analytical data for treated sanitary effluent charges to Pond B-3 are presented on a monthly basis in the "Monthly Environmental Monitoring Report". No documents were found which detailed the fate on constituents, release to the environment. Analytical data has been reviewed independently of the original Area of Concern (AOC) which included the East Trenches, the Mound 903 Pad and associated 903 Lip Area as geographically grouped on the Operable Unit OU02, Phase II, RFI/RI Report. These IHSSs do not warrant further investigation and are proposed NFA.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Retention Ponds C-1 and C-2 (IHSSs SE-142.10 and 142.11; OU05)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Retention Ponds C-1 and C-2 (IHSSs SE-142.10 and 142.11; OU05). Pond C-1 was constructed in 1955 to provide temporary holding and provide for monitoring of Woman Creek waters and waters discharged from Ponds 6, 7 and 8. These ponds were located adjacent to Woman Creek upstream from Pond C-1. The first discharge from Pond C-1 was observed on March 29, 1955. Pond 6 received water treatment plant backwash, Pond 7 received steam condensate from the Building 881 cooling towers and could have received sewage lift station overflows, and Pond 8 probably received Building 881 cooling tower overflow/blowdown. The South Interceptor Ditch was constructed in order to re-route runoff from the southern portions of the RFP main manufacturing area to Pond C-2. Water from the South Interceptor Ditch is the only input to Pond C-2, allowing Pond C-2 to serve as a surface water retention and spill control pond. Woman Creek flow, enter Pond C-1 to serve as a flow-through temporary detention pond. Discharge from Pond C-1 is routed around Pond C-3 and back into the natural Woman Creek channel. Monitoring of effluents discharge offsite from the Woman Creek Drainage has routinely taken place since the first discharge from Pond C-1. The IHSSs were studied as part of Operable Unit OU05, Woman Creek Priority Drainage. The human health estimates support the recommendation for No Further Action (NFA) and are consistent with the criteria for recommending NFA decisions present in RFCA. The results of the Environmental Risk Assessment (ERA) do not indicate a substantial and definite risk to the ecologic receptors.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Surface Disturbance Southeast of B881 (IHSS 209; OU05)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Surface Disturbance Southeast of Building 881 (IHSS 209; OU05). This area consists of a surface disturbance at the site of a former borrow pit. Gravel taken from the pit was used for construction activities. Although waste disposal is not believed to have taken place at this location, DOE agreed to investigate the site as a possible waste disposal area. No documentation was found which detailed the dates of operation or any release at this site. The IHSS was studied as part of the Operable Unit OU05, Woman Creek Priority Drainage. As documented in the Phase I RFI/RI for OU05, IHSS 209 and the source area west of the IHSS was removed from further evaluation in the Human Health Risk Assessment (HHRA) because concentrations did not exceed criteria established in the screen. This IHSS is proposed as No Further Action (NFA). This recommendation is consistent with the criteria for recommending NFA decisions presented in RFCA.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Incinerator (IHSS 133.5; OU05)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - An incinerator (Facility 219 or Building 219), (PAC SW-133.5; OU05) was located south of the west access road near the Plant's original west boundary. The incinerator was used to burn office waste. Design and as-built drawings indicate it was thirty-two feet high. In 1960, it was necessary to reline the firebox and the stack with plastic re-factory. Between 1960 and 1967, the incinerator continued to deteriorate to the point that it was necessary to stop the use and dispose of trash in some other manner. The Present Landfill was constructed as a substitute for the waste disposal and began on August 14, 1968. A review of aerial photographs reveals that the incinerator was present August 7, 1969 and removed by August 6, 1971. No documentation was found indicating the dismantling and removal of the incinerator. Emission samples were taken during burning in September 1956. Smear surveys of the incinerator before and after burning of contaminated waste showed no increase in contamination. Air sampling of the incinerator continued in 1958 during combustion of radioactively contaminated trash from Building 444 and 447, however no results were available. No documentation was found which further detailed the fate of the constituents released. IHSS 133.5 was studied in accordance with the Interagency Agreement (IAG) schedule for Operable Unit OU05. Analytical data for surficial and subsurface soils show that contaminants associated with the incinerator facility at this location are below RFCA Tier I and Tier II action levels and pose no risk. IHSS 133.5 does not warrant further investigation and is proposed for No Further Action (NFA).

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Concrete Wash Pad (IHSS 133.6; OU05)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Concrete Wash Pad (IHSS 133.6; OU05). Excess concrete from construction activities on plant site was routinely washed from concrete trucks southwest of the plant. In March 1979, Plant Services was requested to clean up debris from past cement truck washouts, and that cement truck washouts be conducted at the landfill. This area is adjacent to the former Plant Incinerator and a reference was made to ash being disposed of southwest of the Incinerator, which may have been close to this area. The concrete wash pad was a waste concrete disposal site, however, concrete is not a hazardous waste. Potentially contaminated ash generated from the incinerator may have been deposited southwest of the incinerator in the area of the concrete wash pad. Ground disturbance in the area is obvious from aerial photographs beginning in 1953 and other RFP photos. No documentation was found which detailed the fate of constituents released. This IHSS was studied in accordance with the Interagency Agreement (IAG) schedule for OU05. Analytical data for surficial and subsurface soils show the contaminants associated with the Concrete Wash Pad are below RFCA Tier I and Tier II action levels and pose no risk. Further soils in IHSS 133.6 do not require remediation to achieve a 15 mrem effective dose equivalent, based upon the open space exposure scenario. IHSS 133.6 does not warrant further investigation and is proposed for No Further Action NFA.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Recently Id'd Ash Pit (IHSS 133.6; OU05)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Recently Identified Ash Pit (PAC SW-1701; OU05). On September 30, 1994 near IHSS 133.6 (Concrete Wash Pad) in the Woman Creek drainage, field crews encountered metallic debris with a count rate of 2,500 counts per minute beta/gamma. The project was stopped to assess the findings and notify the Radiological Engineering Department. Geophysical surveys conducted in the summer of 1993 identified this and several other small anomalies with the potential for radiological contamination from depleted uranium (235/238 isotopes). Field crews were dressed in level C Personal Protective Equipment (PPE) when the metallic debris was discovered. Radiological monitoring personnel immediately conducted surveys of the equipment and soils. Contaminated sampling equipment and samples collected from the area were double bagged and transported to a Radiological Control Area (RCA). There was no removable contamination found. No documentation was found which detailed the fate of constituents released from the incinerator facility and subsequent burial of ash from 1953 to 1968. Analytical data showed contaminants suspected are below RFCA Tier I and Tier II action levels pose no risk and for this reason does not warrant further investigation and is proposed for No Further Action NFA.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Oil Sludge Pit (IHSS 102; OU01)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Oil Sludge Pit (IHSS 102; OU01). In 1958, thirty to fifty drums of non-radioactive materials were dumped in a pit south of Building 881. The site may be located south of the security fence on the hillside and the dimensions are estimated to be about 25 feet by 50 feet. The Phase III Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Work Plan (WP) locates it 500 feet south of Building 881 with dimensions of 40 feet by 70 feet. It also states that it is visible in 1955 aerial photographs. The RCRA 3004(u) Report identifies the pit as being 180 feet south of the building and having dimensions of 50 feet by 80 feet. The pit was filled with material consisting of oil sludge from tank cleanouts. It is not known if one tank was involved or several. No radioactivity was thought to be involved no documentation was found which detailed the fate of constituents released to the environment specifically related to this occurrence. No Further Action (NFA) for PAC 800-102 (IHSS 102) was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.

BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - Chemical Burial (IHSS 103; OU01)	
Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Chemical Burial (IHSS 103; OU01). There is an area south of Building 881 that was reportedly used to bury unknown chemicals. References state that "unknown chemicals" were buried. No documentation was found that detailed responses to this occurrence or the fate of the constituents released to the environment in support of the HRR, 1992. No Action for IHSS was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.	

BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - Liquid Dumping (IHSS 104; OU01)	
Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Liquid Dumping (IHSS 104; OU01). The Comprehensive Environmental Assessment and Response Program (CEARP) Phase I Report indicates that an area east of Building 881 was used for disposal of unknown liquids and drums. This report did not resolve the exact location of the pit or its dimensions. The type of liquids that were dumped here could not be determined from available documentation. No documentation was found that indicated response to this occurrence or the fate of constituents released to the environment. No Action for IHSS 104 was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.	

BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - B881 East and West Out-of-Service Fuel Tanks (IHSS 105.1 & 105.2; OU01)	

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Building 881 East and West Out-of-Services Fuel Tanks (IHSS 105.1 & 105.2; OU01). Interviews for the Comprehensive Environmental Assessment and Response Program (CEARP) Phase I document mentioned that Asbestos was placed in two underground out-of-service tanks located south of Building 881. The tanks were later filled with concrete. The tanks were used to hold diesel fuel and were later filled with concrete and Asbestos. No documentation was found that detailed a response to this occurrence or the fate of the constituents released to the environment. No Action for IHSS 105.1 and 105.2 was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Outfall (IHSS 106; OU01)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Outfall (IHSS 106; OU01). In the 1950s and 1960s the intermittent discharging of untreated sanitary waste took place in an area south of Building 881. Although this practice was halted, the outfall continued to be used for discharges of cooling water blowdown into the late 1970s. The outfall was originally described as a six-inch diameter vitrified clay pipe, however, a site visit conducted on November 21, 1991 revealed that the pipe was made of iron. It originates from Building 887 and through water quality analysis was determined to be the clean-out pipe for an overflow line from Building 881 cooling tower. Effluent was found discharging from this outfall onto the hillside on December 22, 1977. No liquid was discharging from the pipe in 1991. No documentation was found that detailed the fate of the constituents release to the environment. No Action for IHSS 106 was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - B881 Hillside Oil Leak (IHSS 107; OU01)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Building 881 Hillside Oil Leak (IHSS 107; OU01). On May 29, 1973 oil was discovered flowing from the slope south of Building 881. An investigation was initiated to discover the source of the oil in order to stop the flow to Woman Creek. Oil was also found on a 60-inch diameter standpipe that was located just south of the security fence. The water on which the oil was floating was first traced back to an outfall culvert 300 feet south of the security fence which, was later found to be the footing drain from B881. It was thought the oil was coming from leaks in two out-of-service tanks. It was postulated that oil spills occurring during filling of the tanks flowed out the drain hole into underlying gravel. It was possible that the oil originated in these tanks or the oil may have originated from the oil sludge pit. The 991 Hillside Remedial Investigation Report Draft indicated that elevated levels of Perchloroethylene (PCE) (128 ppb) and Trichloroethylene (TCE) (14 ppb) were found in water samples collected from the north end of the skimming pond. The Phase III Resource Conservation Recovery Act (RCRA) Facilities Investigation / Remedial Investigation (RFI/RI) Report for Operable Unit OU01 indicated that the skimming pond was removed during construction of the French Drain. This IHSS 107 was studied and summarized in the Final Phase III RFI/RI and noted no contamination. No Action as approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for OU01, 881 Hillside Area.

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BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - Sanitary Waste Line Leak (IHSS 145; OU01)	
<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Sanitary Waste Line Leak (IHSS 145; OU01). On January 21, 1981 the sanitary waste line was found to be leaking on the hillside south of Building 881. From utility drawings it has been determined that the line in question is probably the six-inch diameter cast iron sanitary line that originates at the B887 Lift Station. This contradicts the RCRA 3004(u) document that stated that the line was a four-inch cement/asbestos pipe. No documentation was found that indicates this type of pipe. The sanitary waste line was used from about 1968 to 1973 to transport radioactive laundry effluent. Liquid from the leak was contained by a dirt dike to prevent drainage to the South Interceptor Ditch and Woman Creek. The line was repaired as of January 30, 1981. No documentation was found that details the fate of constituents release to the environment. No Action for IHSS 145 was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for OU01, 881 Hillside Area.</p>	

BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - Ryan's Pit (Previously Trench T-2) (IHSS 109; OU02)	
<p>Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Ryan's Pit (Previously Trench T-2) (IHSS 109; OU02). This area was primarily used for disposal of solvents, paint thinners, diesel fuel and other construction related chemicals and materials. The operation performed radiation screening of the waste and if identified as non-radioactive, the solvents were dumped in the trench referred to as Ryan's Pit. It is probable that Ryan's Pit was used from 1969 to 1971 for non-radioactive liquid chemical wastes and previously believed to have been used similarly to the East Trenches. Soil contaminated from the dumping of solvents and other waste were sampled extensively during the removal action in 1995 and prior treatment. Analytical data for these samples indicated elevated Volatile Organic Compounds (VOCs). Disposal of waste at Ryan's Pit was discontinued in 1971 and the trench was back filled. The source removal at IHSS 109 met the cleanup and treatment levels specified in the Proposed Action Memorandum (PAM) of 1995 the site is proposed as No Further Action (NFA).</p>	

BZ-A-INFO	9/26/1997
Note to File: 2nd Annual HRR Update - Mound Area (IHSS 113; OU02)	

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Mound Area (IHSS 113; OU02). In April 1954, the mounding of contaminated combustible wastes from Building 444 was suggested as a method of disposal. Scraping a shallow trench, aligning drums in rows, and covering them with soil developed the Mound. The resulting burial site extending above initial ground level. Photographs from April 21, 1954 show the mounding of the first 869 drums of contaminated wastes from Building 444. Several drums had pinhole leaks at the time of burial in April 1954. Mounding activities continued until September 1958. Different sides of the Mound were opened periodically for disposition of drums. The burning of uranium contaminated oil became an acceptable method of disposal in 1959 and the mounding was discontinued. During the construction of the PSZ in 1981, several areas of contaminated soil were removed from the Mound area. Treatment began on August 5, 1997, utilizing Low Temperature Thermal Desorption. Treated soil was placed back into the Mound. This action was authorized by the Agency approved Proposed Action Memorandum (PAM) in February 1997. A source removal action was performed to excavate and treat contaminated material. The completion report details the treatment process and proposed as No Further Action (NFA) because operations to remove contaminated soil was completed within the reporting period.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - East Scrap Metal Stg and Solvent Area (IHSS 119.2; OU01)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - East Scrap Metal Storage and Solvent Area (IHSS 119.2; OU01). This area is one of two sites used for scrap metal storage in the southeast portion of the, 400 acre manufacturing area. Individual Hazardous Substance Site IHSS 119.1 (PAC 900-119.1) was the eastern site located on a flat area just north of the Southeast Perimeter Road. In September 1968, arrangements were made to relocate metal piles to limit traffic through the area. Pieces of scrap metal may have been contaminated with residual oils and hydraulic coolants, which could have dripped onto the soil. In 1994 Accelerated Response Action (ARA) was put into place to remove five specific locations with contaminated soils ("hot spots"). The areas were localized shallow contaminated soils that contained substantial activities of either plutonium/ameridium or uranium, as well as traces of several organic compounds. The ARA included excavation, containerization, storage and disposal of twenty-one 55 gallon drums of radionuclide contaminated soil. No documentation was found that detailed the fate of constituents released to the environment. Removal of the OU01 "hot spot" within IHSS 119.2 reduced potential risk to human health. No action was approved by the Agencies and is documented in the CAD/ROD for OU01, 881 Hillside Area.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Contaminated Soil Disposal East of B881 (IHSS 130; OU01)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Contaminated Soil Disposal Area East of Building 881 (IAG Name: Radioactive Site - 800 Area Site No. 1) (IHSS 130; OU01). Approximately 320 tons of plutonium-contaminated soil and asphalt from the May 1969 fire in Building 776 was buried under one to two feet of fill. Some of the material was from Central Avenue between Eighth Street and Tenth Street. This amounts to 250 cubic yards of material. In 1972, 60 cubic yards of Plutonium (Pu) infiltrated soil from the removal of concrete waste tanks near Building 774 were placed in this same area and covered with three feet of soil. No documentation was found that detailed the fate of constituents released to the environment. Nine boreholes were drilled and sampled and the report noted limited organic and radionuclide contamination, however, the contamination appeared to be widespread and unrelated to waste disposal. No Action for this IHSS was approved by the Agencies and is documented in the Corrective Action Decision / Record of Decision (CAD/ROD) for Operable Unit OU01, 881 Hillside Area.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Sludge Dispersal (IHSS 141; OU06)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Sludge Dispersal (IHSS 141; OU06). All material entering the sanitary sewer system is processed and one of the process byproducts is sludge. Sludge produced in the wastewater treatment plant (Building 995) is placed in a series of gravel and sand-lined drying beds until the solid to liquid ratio is greater than 43 percent by weight and is considered suitable for packaging and shipment offsite for disposal. The configuration of the beds has changed several times since 1952 but they have been in regular operation. There have been many incidents of the sludge in the beds overflowing towards East Perimeter Road. Several specific incidents have occurred when sludge overflowed from the drying beds or was dispersed by wind. In these incidents the sludge spilled was largely recovered. The response to each documented overflow release has been to collect and dispose of sludge. The overflows were also controlled with fill material, which was drummed and shipped for off-site disposal. Windblown sludge was identified as a long-standing problem and an investigation of using mesh cover for the beds followed. In 1985, metal buildings were constructed around the beds to reduce windblown dispersal. Based on the results of the Colorado Department of Public Health and Environment (CDPHE) conservative screen, No Further Action (NFA) is proposed for IHSS 141. the Operable Unit OU06 Corrective Action Decision / Record of Decision (CAD/ROD), which is under preparation, is expected to be consistent with this recommendation.

BZ-A-INFO

9/26/1997

Note to File: 2nd Annual HRR Update - Gas Detoxification Area (IHSS 183; OU02)

Information Only Entry: Second Annual Update to the Historical Release Report (HRR) for the Rocky Flats Plant (RFP); August 1, 1996 through August 1, 1997 - Gas Detoxification Area (IHSS 183; OU02). Building 952 was constructed in 1963 as a Toxic Gas Storage Building, which was managed by Industrial Hygiene. Since at least January 1967, firemen exercising extreme caution due to the nature of the gases transported bottles containing hazardous gases from various buildings to Building 952. Typically, shipments consisted of one or two lecture-size gas bottles. Prior to January 1967, Plant Services personnel transported the bottles, often improperly. No reported incidents were found. Gases were stored for up to five years prior to disposal. Selected gases were detoxified at the site. The method of detoxification was selected based on the characteristics of the material. Others were packed and shipped to off-site vendors for disposal. No documentation was found that detailed any specific release to the environment. Selected gases were detoxified using various commercial neutralization processes available at the time. No documentation was found that detailed any release from IHSS 183 and was studied as part of Operable Unit OU02. It is suspected that a release at IHSS 183 has not occurred. This is based on the fact that no documentation referencing a release has been found and that contamination was not detected in the borehole location near the IHSS. It is recognized that IHSS 183 overlaps with IHSS 155, which will be addressed as a separate action. IHSS 183 is proposed No Further Action (NFA).

BZ-B-000001	2/10/1998
SAP Characterization and Conceptual Design, 903 Pad / Ryan's Pit and ETP, dated February 1998	
Forwards the enclosed Groundwater Plumes: Delivers the Sampling and Analysis Plan (SAP) Characterization and Conceptual Design, 903 Pad / Ryan's Pit and East Trenches Plumes (ETP), dated February 1998. The purpose of this SAP is to direct the collection of field data necessary to delineate the extent of groundwater contamination in area of potential impact to surface water in the down gradient portions of the 903 Pad / Ryan's Pit and East Trenches Plumes, (ETP)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000001.pdf	2 MB
BZ-B-000002	3/1/1998
SAP Characterization of the 903 Pad / Ryan's Pit and East Trenches Plume (ETP)	
Groundwater Plumes: Sampling and Analysis Plan (SAP) Characterization of the 903 Pad / Ryan's Pit and East Trenches Plumes (ETP), March 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000002.PDF	2 MB
BZ-B-000003	3/24/1998
SAP Characterization of 903 Pad / Ryan's Pit and ETA Plumes, March 1998	
Groundwater Plumes: Submits the attached [000002] "Sampling and Analysis Plan (SAP) Characterization of the 903 Pad / Ryan's Pit and East Trenches Plumes (ETP)," March 1998, to US Department of Energy, Rocky Flats Field Office (DOE/RFFO) for forwarding to the regulating agencies; comments from the February 17, 1998 meeting with the Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA), and subsequent CDPHE comments received March 12, 1998, are addressed in the included addendum; DOE comments were previously incorporated	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000003.PDF	85 KB

BZ-B-000004	3/30/1998
SAP Characterization of 903 Pad / Ryan's Pit and ETA Plumes, March 1998	
Groundwater Plumes: Forwards the attached [000002] "Sampling and Analysis Plan (SAP) Characterization of the 903 Pad / Ryan's Pit and East Trenches Plumes (ETP)," March 1998; comments from the February 17, 1998 meeting with the Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA), and subsequent CDPHE comments received March 12, 1998, are addressed in the included addendum; US Department of Energy (DOE) comments were previously incorporated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000004.PDF	61 KB
BZ-B-000005	9/4/1998
Characterization and Conceptual Remediation Designs 903 Pad / Ryan's Pit and ETA Plumes	
Transmittal of Tables pertaining to Plume Characterization and Conceptual Remediation Designs 903 Pad / Ryan's Pit and East Trenches Plumes (ETP) at Rocky Flats Environmental Technology Site (RFETS). Included are versions, with slight modifications and corrections, of the Tables previously presented in the Draft conceptual Remediation Design Reports, including Tables 1 through 5 of the 903 Pad / Ryan's Pit Plume report, and Tables 1 through 8 of the ETP Report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000005.PDF	519 KB
BZ-B-000006	11/16/1998
PAM for the East Trenches Plume (ETP), November 1998	
Letter transmits the enclosed Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), November 1998, for US Environmental Protection Agency (EPA) review and comments. This PAM outlines the selected strategy, applicable requirements, and implementation schedule for the collection and treatment of contaminated groundwater from the distal end of the ETP.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000006.pdf	4 MB
BZ-B-000007	10/27/1998
Draft PAM for the East Trenches Plume (ETP)	
Transmits the enclosed Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP). All US Department of Energy (DOE) and Kaiser-Hill Company, L.L.C. comments have been incorporated and the Comment Resolution is attached. This PAM outlines the selected strategy, applicable requirements and implementation schedule for the collections and treatment of contaminated groundwater from the distal end of the ETP. The Groundwater Plume contains Volatile Organic Compound (VOC) contamination believed to have originated from the East Trenches (T-3/T-4, Individual Hazardous Substance Site IHSS 110 / IHSS 111.1) and 903 Pad Sites (IHSSs 112 and 155), and extends northward to where the Plume discharges as seeps and subsurface flow into the South Walnut Creek Drainage.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000007.PDF	4 MB
BZ-B-000008	9/1/1996
Final Revised Groundwater Conceptual Plan	

<p>Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Provides a basis for cleanup and management of contaminated groundwater at the RFETS. - The groundwater contaminant plumes with Volatile Organic Compound (VOC) concentrations exceeding Tier I Action Levels are: {1} the 881 Hillside Drum Storage Area Plume, {2} the Mound Plume (I113-B), {3} the 903 Pad / Ryan's Pit Plume, {4} the Carbon Tetrachloride Spill Plume, {5} the East Trenches Area Plume (ETP), and {6} the Industrial Area Plume (IA-B, IAP). Additional Plumes discussed that do not exceed the Tier I Action Levels, but may have the potential to impact surface water, include those at the Present Landfill, the Solar Evaporation Ponds Plume (SEP) (I101-B, SPP), and the Property Utilization and Disposal Yard (PU&D) Yard Plume (I170-B).</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000008.pdf	5 MB

BZ-B-000009	12/10/1998
Comments re review and approval of Final TM Monitoring of 903 Pad/Ryan's Pit Plume	
US Environmental Protection Agency (EPA) comments regarding the Review and approval of the Final Technical Memorandum TM Monitoring of the 903 Pad / Ryan's Pit Plume.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000009.PDF	182 KB

BZ-B-000010	12/15/1998
November 1998 PAM for the East Trenches Plume (ETP)	
Colorado Department of Public Health and Environment (CDPHE) comments regarding the November, 1998 Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000010.PDF	150 KB

BZ-B-000011	12/29/1998
Transmits the Draft PAM for the East Trenches Plume (ETP)	
Transmits the Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP) for public review and comment. Previous Agency comments are incorporated; responses are included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000011.PDF	194 KB

BZ-B-000012	12/17/1998
Submits the enclosed SEP evals for review and consultation	
Submits the enclosed Project Evaluations for Review and Consultation. Rocky Flats Environmental Technology Site (RFETS) plans to treat the Solar Ponds Plume (SPP) and East Trenches Plume (ETP) using Passive Treatment Systems (PST), Collection Trenches and Buried Treatment Cells. Letter is part of a continuing information exchange with the US Fish and Wildlife Service (FWS) to help US Department of Energy (DOE) refine project treatment system designs and address potential impacts to listed species that might result from these remedial actions; October 19, 1998 US Environmental Protection Agency (EPA) response to Colorado Department of Public Health and Environment (CDPHE) comments on the Draft Conceptual Remediation Design, ETP Project enclosed.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000012.PDF	255 KB

BZ-B-000014	1/1/1997
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Background Comparison for Radionuclides in Groundwater	
<p>"Background Comparison for Radionuclides in Groundwater" submitted to the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA) in January 1997 - In discussions among members of the Groundwater Working Group, it was decided that background values for Uranium (U) Isotopes should be recalculated using data collected from only the Rocky Flats Alluvium, the Valley Fill Alluvium, and the Colluvium. The background values calculated for the 1993 Background Geochemical Characterization Report included observations from Wells screened in the Weathered Claystone. It was also decided that the most recent data available from all wells not in the zone of influence of the site should be identified and included in the data set. In order to be consistent across all Radionuclides of Concern, background values for Americium (Am) and Plutonium (Pu) were also recalculated.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000014.PDF	3 MB
BZ-B-000015	7/1/1998
Solar Ponds Plume Path Forward meeting, July 1, 1998	
Solar Ponds Plume (SPP) Path Forward meeting, July 1, 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000015.PDF	202 KB
BZ-B-000016	9/18/1998
Comments on the Draft Conceptual Remediation Design ETP Project	
<p>Colorado Department of Public Health and Environment (CDPHE) comments on the Draft Conceptual Remediation Design East Trenches Plume (ETP) Project - -[Action Level Framework] ALF and RFCA [Rocky Flats Cleanup Agreement] provide latitude in determining the need for remediation of contaminated Groundwater plumes. The Plume Management Strategy outlined in the Issue Management Program (IMP) provides a step-by-step approach which leads to the remedial design phase. In contrast, the approach in this document is presumptive and bypasses several important steps in the IMP evaluation process. In particular, this evaluation of impact lacked formal definition of Data Quality Objectives (DQO) which lead to the following deficiencies in decision making information ...</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000016.PDF	289 KB
BZ-B-000017	9/1/1998
Comments on the Draft Conceptual Remediation Design ETP Project	
<p>US Environmental Protection Agency (EPA) response to September 18, 1998 Colorado Department of Public Health and Environment (CDPHE) comments on the Draft Conceptual Remediation Design East Trenches Plume (ETP) Project.</p>	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000017.PDF	183 KB
BZ-B-000018	12/18/1998
Plume source modeling above proposed East Trenches Plume (ETP) remediation	
Plume source modeling above proposed East Trenches Plume (ETP) remediation.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000018.PDF	2 MB

BZ-B-000019	12/29/1998
Forwards Draft PAM for the East Trenches Plume (ETP), December 1998	
Frowards the draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP) for US Environmental Protection Agency (EPA) review and comment (EPT), December 1998, Revision : (Draft)	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000019.PDF	322 KB
BZ-B-000020	1/4/1999
Modular Storage Tanks ITS; Water Line Freeze Protection Plan; and ETP and SPP	
Regards pending meeting on January 6, 1999, to discuss the Modular Storage Tanks Interceptor Trench System (ITS), Water Line Freeze Protection Plan and two other projects (including the East Trenches Plume (ETP), and the Solar Ponds Plume (SPP).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000020.PDF	52 KB
BZ-B-000021	1/11/1999
Remediation, Modular Storage Tank Freeze Protection, and ETP Treatment Projects	
Regards meeting held January 6, 1999, to continue informal consultation on the Solar Ponds Plume (SPP) Remediation, Modular Storage Tank Freeze Protection, and the East Trenches Plume (ETP) Treatment Projects. Letter transmits attached proposed agenda indicating revised project description and biological evaluation. The revisions include information on past Preble's Trapping efforts in the South Walnut Creek Drainage, information on the Dam B-4 TOE-Blanket Construction Study, Clarification of Water Management in Ponds B-1 and B-2 and discussion on Dewatering of the collection trench during construction; also included: Biological Evaluation East Trenches Plume Treatment System Installation and figure ET-1, Plan View of Reactive Barrier Treatment System ETP	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000021.PDF	445 KB
BZ-B-000022	1/14/1999
Monitoring of the 903 Pad / Ryan's Pit Plume, TM	
US Department of Energy, Rocky Flats Field Office (DOE/RFFO) transmits the Draft Technical Memorandum (TM), Monitoring of the 903 Pad / Ryan's Pit Plume for US Environmental Protection Agency (EPA) review and comment. This TM provides the basis and technical approach for monitoring the 903 Pad / Ryan's Pit Volatile Organic Compound (VOC) Plume to provide data on natural attenuation and to evaluate the potential for impacts to surface water quality.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000022.PDF	75 KB
BZ-B-000023	10/19/1998
Regards September 18, 1998 CDPHE comments on the draft conceptual remediation design, ETPP	
Regards September 18, 1998 Colorado Department of Public Health and Environment (CDPHE) comments on the Draft Conceptual Remediation Design, East Trenches Plume Project (ETP) - there are a number of issues that CDPHE feels have not been adequately addressed for this particular groundwater plume. It seems the primary issue is best stated in the last paragraph of the letter, -we are not opposed to installation of this system if a full evaluation shows it to be a good alternative but we do not think that has been demonstrated at this time.' This letter does not address every item mention, but focuses only on the primary issues identified.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000023.PDF	192 KB
BZ-B-000024	1/1/1999
EPA has revised draft PAM for ETP, December 1998, and is satisfied with changes that have been made...	
The US Environmental Protection Agency (EPA) has revised draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), December 1998, and is satisfied with the changes that have been made to the document in response to previous comments. In addition, the list of documents provided by US Department of Energy (DOE) for the ETP Administrative Record appears to be sufficient and complete.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000024.PDF	70 KB
BZ-B-000025	2/1/1999
Construction Health and Safety Plan for the East Trenches Plume (ETP) Project	
Rocky Mountain Remediation Services (RMRS) Procedure: Construction Health and Safety Plan (HASP) for the East Trenches Plume Project (ETP), February 1, 1999 - This Construction HASP establishes the procedures and requirements that will be used to minimize health and safety risks to persons involved with the construction of the Reactive Barrier for the ETP. The Plan contains information about the hazards involved in performing the tasks and the specific actions and equipment that will be used to protect persons working at the ETP during installation of the East Trenches Plume Treatment System (ETPTS).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000025.PDF	4 MB
BZ-B-000026	2/4/1999
Final East Trenches Plume (ETP) PAM, February 4, 1999	
Transmits the enclosed Final Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), February 4, 1999 - This PAM outlines the selected strategy, applicable requirements and implementation schedule for the collection and treatment of contaminated groundwater for the Distal End of the ETP. The ETP is ranked 7th on the 1997 Annual Update of the ER Ranking and ranks 2nd of the sites not yet remediated. The ETP contains Chlorinated Organic Compounds (COC) in excess of Action Level and Standards Framework (ALF) Tier I Level concentrations defined in Attachment 5 to the Rocky Flats Cleanup Agreement (RFCA). The proposed action will consist of constructing a subsurface groundwater collection system coupled with a reactive metals treatment system. This system will collect and treat contaminated groundwater from the ETP to below RFCA Surface Water Action Levels. Response to comments from the City of Westminster and the question and responses for the Rocky Flats Citizen's Advisory Board (CAB) meeting on January 19, 1999 have also been included in this PAM.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000026.pdf	4 MB
BZ-B-000027	1/28/1999
RMRS Procedure: Final FIP for the East Trenches Plume (ETP) Treatment System	

Rocky Mountain Remediation Services (RMRS) Procedure: Final Field Implementation Plan (FIP) for the East Trenches Plume (ETP) Treatment System (ETPTS) - This FIP will describe in detail the tasks and procedures required for the installation of the Subsurface Groundwater Collection and Treatment System for the ETP. The ETPTS is intended to collect and treat the contaminated groundwater, which is above the Action Level Framework (ALF) Tier II Level for concentration defined in Attachment 5 of the Rocky Flats Cleanup Agreement (RFCA). The ETP remediation is authorized as an Accelerated Action under the ETP Proposed Action Memorandum (PAM).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000027.PDF 2 MB

BZ-B-000028 2/16/1999

Forwards Final PAM for the East Trenches Plume (ETP)

Letter forwards the Final Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP) for US Environmental Protection Agency (EPA) use. The response to comments for the City of Westminster and the questions and responses for the Rocky Flats Citizen's Advisory Board (CAB) meeting on January 19, 1999, have also been included.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000028.PDF 77 KB

BZ-B-000029 2/9/1999

Construction HASP for the East Trenches Plume (ETP) Project, February 9, 1999

Rocky Mountain Remediation Services (RMRS) Procedure: Construction Health and Safety Plan (HASP) for the East Trenches Plume (ETP) Project, February 9, 1999 - This Construction HASP (CHASP) establishes the procedures and requirements that will be used to minimize health and safety risks to persons involved with the construction of the Reactive Barrier for the ETP. The Plan contains information about the hazards involved in performing the tasks and the specific actions and equipment that will be used to protect persons working at the ETP during installation of the East Trenches Plume Treatment System (ETPTS).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/Revised BZ-B-000029.PDF 2 MB

BZ-B-000030 1/22/1999

Federally-listed threatened or endangered species

US Fish and Wildlife Service (FWS) received US Department of Energy (DOE) letter of January 11, 1998, regarding the East Trenches Plume Treatment System (ETP) Project at the Rocky Flats Environmental Technology Site (RFETS). Based on the information provided in the biological evaluation that accompanied the letter, the Service concurs that this project is not likely to adversely effect Federally-listed threatened or endangered species.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000030.PDF 66 KB

BZ-B-000031 1/22/1999

Review and comments regarding the PAM for East Trenches Plume (ETP)

City of Westminster review and comments regarding the Proposed Action Memorandum (PAM) for the East Trenches Plumes (ETP). Alternative No. three (3) is supported with the following considerations, concerns, and requests for further information as noted...

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000031.PDF 181 KB

BZ-B-000032	12/10/1998
Proposal to install a Passive Underground Collection and Treatment System	
The US Environmental Protection Agency (EPA) has reviewed the Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), November 1998, and has the following comments regarding the PAM. Overall, the proposal to install a Passive Underground Collection and Treatment System is endorsed by the EPA. Most EPA comments will only require minor changes to the document; however, EPA feels that it is also necessary to discuss some aspects of the system design as presented in the document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000032.PDF	180 KB
BZ-B-000033	12/15/1998
CDPHE has reviewed the Draft PAM for the ETP, November 1998	
Colorado Department of Public Health and Environment (CDPHE) has reviewed the Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), November 1998, and has discussed concerns related to the proposed project with representatives of the US Department of Energy (DOE), its contractors, and the US Environmental Protection Agency (EPA), which is the Lead Regulatory Agency for this project. These discussions focused on several of the DOE's comments on the Draft Conceptual Remediation Design for this project not addressed in this PAM. A summary of remaining concerns and their anticipated resolution follows ..	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000033.PDF	151 KB
BZ-B-000034	12/29/1998
Forwards Draft PAM for the East Trenches Plume (ETP), December 22, 1998	
Forwards the attached [000035] December 22, 1998 Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP) for US Environmental Protection Agency (EPA) review and comment. Earlier EPA and Colorado Department of Public Health and Environment (CDPHE) comments have been incorporated in this revision. The Public Comment Period begins on December 23, 1998 and ends on January 22, 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000034.PDF	73 KB
BZ-B-000035	12/22/1998
Draft PAM for the East Trenches Plume (ETP), December 1998	
Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP), December 1998 - This PAM outlines the selected strategy, applicable requirements and implementation schedule for the collection and treatment of contaminated groundwater from the distal end of the ETP; previous US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) comments have been incorporated.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000035.pdf	4 MB
BZ-B-000036	12/22/1998
Comments on November 1998 Draft PAM for the East Trenches Plume (ETP)	

Response to the US Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) comments on the November 1998 Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000036.PDF 306 KB

BZ-B-000037

4/14/1999

Transmits SAP for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume

Letter transmitting the Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume. A copy of the SAP was not enclosed.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000037.PDF 66 KB

BZ-B-000038

5/5/1999

RMRS Technical Document: Work Plan for Geotechnical Investigation of Treatment Cell Area Solar Ponds Plume Treatment System

RMRS Technical Document: Work Plan for Geotechnical Investigation of Treatment Cell Area Solar Ponds Plume Treatment System, May 5, 1999 - This Rocky Mountain Remediation Service (RMRS) work plan was prepared by Parson's Engineering Science, Inc., (Parson's ES) to outline the scope of work for collection of data necessary to conduct a geotechnical investigation in support of the design of the Solar Ponds Plume (SPP) Treatment System (SPPTS) at the Rocky Flats Environmental Technology Site (RFETS). The primary objectives of the geotechnical investigation are to characterize work site soils to support the design of the treatment cell foundation; and characterize work site soils to support the design of cutback slopes or soil retaining structures in the vicinity of the treatment cell.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000038.PDF 968 KB

BZ-B-000039

5/11/1999

TM Monitoring of the 903 Pad / Ryan's Pit Plume, May 11, 1999

Final Technical Memorandum (TM) Monitoring of the 903 Pad / Ryan's Pit Plume, May 11, 1999 - The objective of 903 Pad / Ryan's Pit Volatile Organic Compound (VOC) plume monitoring is to evaluate the potential for impacts on surface water quality (Corollary objective: Comments on the November 1998 Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000039.PDF 5 MB

BZ-B-000040

5/11/1999

Comments on November 1998 Draft PAM for the East Trenches Plume (ETP)

US Environmental Protection Agency (EPA) comments on the November 1998 Draft Proposed Action Memorandum (PAM) for the East Trenches Plume (ETP).

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000040.PDF 334 KB

BZ-B-000041

7/30/1999

Final SAP for Groundwater Investigations Involving Actinide Drilling-Arifact Contamination, the Industrial Area

Final Sampling and Analysis Plan (SAP) for Groundwater Investigations Involving Actinide Drilling-Arifact Contamination, the Industrial Area (IA) Volatile Organic Compound (VOC) Plume East Boundary, and Solar Ponds Plume (SPP) Well Installations, July 30, 1999 - This SAP provides for monitoring well installation and groundwater sampling activities at three independent project areas at the Rocky Flats Environmental Technology Site (RFETS) in support of hydrogeologic Site evaluation activities being conducted to refine plume extent and dynamics, and evaluate the potential for long-term containment migration to surface water; The scope of this SAP includes the following projects: Actinide Drilling-Artifact Contamination; Industrial Area VOC Plume East Boundary; Solar Ponds Plume Well Installations.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000041.PDF 7 MB

BZ-B-000042 7/1/1999

Quarterly Status Report for MSP Treatment Project, April - June 1999

Forwards the enclosed Quarterly Status Report for the Mound Site Plume (MSP) Treatment Project, April through June 1999, dated June 23, 1999. As per the MSP Treatment Interim Measure / Interim Remedial Action (IM/IRA), July 1, 1999. Included in this report are the analytical results for samples collected in the previous quarter which were not available for the last report. There are no safety issues for this reporting period.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000042.PDF 521 KB

BZ-B-000043 7/13/1999

Review and approval of the Final TM Monitoring of the 903 Pad/Ryan's Pit Plume

Review and approval of the Final Technical Memorandum (TM) Monitoring of the 903 Pad / Ryan's Pit Plume.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000043.PDF 51 KB

BZ-B-000044 8/10/1999

Milestone Notification

US Department of Energy, Rocky Flats Field Office (DOE/RFFO) Rocky Flats Cleanup Agreement (RFCA, 1996) Milestone Notification, August 10, 1999 - The purpose of this letter is to provide notification of a fiscal year 1999 (FY99) milestone that has experienced recent schedule disruptions and may not be completed by the planning date originally set for early September. The milestone is M4: -Complete installation and operate remedial action described in decision document for Solar Pond Plume(SPP) by September 30, 1999.'...

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000044.PDF 88 KB

BZ-B-000045 5/20/1999

Final Technical Memorandum (TM) Monitoring of the 903 Pad/Ryan's Pit Plume

Transmits the Final Technical Memorandum (TM) Monitoring of the 903 Pad / Ryan's Pit Plume, May 20, 1999 - This TM provides the basis and technical approach for monitoring the 903 Pad / Ryan's Pit Volatile Organic Compound (VOC) plume to provide data on natural attenuation and to ensure the protection of surface water.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000045.PDF 72 KB

BZ-B-000046	9/28/1999
Transmits Final SAP for Groundwater Monitoring of 903 Pad/Ryan's Pit VOC Plume	
Letter regarding the transmittal of the Final Sampling and Analysis Plan (SAP) for Groundwater Monitoring of the 903 Pad/Ryan's Pit Volatile Organic Compounds (VOC) Plume, June 1999. This document has been revised to incorporate Agency comments on the draft document. Responses to agencies comments are enclosed and were approved by the US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE) prior to finalizing the plan.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000046.PDF	73 KB
BZ-B-000047	7/13/1999
SAP for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume, July 1999	
Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the 903 Pad / Ryan's Pit Volatile Organic Compound (VOC) Plume. Final July 1999 Revision 0. This SAP provides for monitoring well installation, groundwater sampling, and surface water sampling activities at the 903 Pad/Ryan's Pit Plume project area at the Rocky Flats Environmental Technology Site (RFETS) as proposed under Technical Memorandum (TM), Monitoring of the 903 Pad/Ryan's Pit Plume. Volatile organic contaminant groundwater plumes have migrated away from source areas at the 903 Pad and Ryan's Pit toward surface water streams. The SAP supports plume monitoring and characterization activities being conducted to evaluate monitored natural attenuation as an effective means of ensuring the protection of surface water quality. The objective of this SAP is to define specific data needs, sampling and analysis requirements, data handling procedures, and associated Quality Assurance/Quality Control (QA/QC) requirements for field activities planned under this project. Also enclosed is the Response to Colorado Department of Public Health and Environment (CDPHE) and US Environmental Protection Agency (EPA) comments on the Draft 903 Pad / Ryan's Pit Plume SAP.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000047.PDF	3 MB
BZ-B-000048	10/8/1999
Submits 903 Pad/Ryan's Pit Plume Project Completion Report for FY99	
Transmittal submitting 903 Pad / Ryan's Pit Plume Project Completion Report for Fiscal Year 1999 (FY99), August 30, 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000048.PDF	68 KB
BZ-B-000049	8/30/1999
903 Pad/Ryan's Pit Plume Project Completion Report FY99	
903 Pad / Ryan's Pit Plume Project Completion Report Fiscal Year FY99, August 30, 1999. This report documents the completion of the 903 Pad / Ryan's Pit Plume Project at the Rocky Flats Environmental Technology Site (RFETS). This project was conducted in accordance with Technical Memorandum TM1, Monitoring Natural Attenuation of the 903 Pad / Ryan's Pit Plume (Rocky Mountain Remediation Services (RMRS) 1998a) and the Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume (RMRS 1999). The objective of this project was to install plume monitoring wells and perform characterization activities to evaluate whether monitored natural attenuation is an effective means of ensuring the protection of surfacewater quality.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000049.PDF	739 KB

BZ-B-000050	11/23/1999
Operation and Maintenance of MSP Treatment System and ETP Groundwater Treatment System	
RMRS Operations Instruction: Operation and Maintenance of the Mound Site Plume Treatment System (MSPTS) and East Trenches Plume Groundwater Treatment System (ETP), November 23, 1999 - Provides additional detail regarding the source evaluation plan presented in June 21, 1999 notification of water quality monitoring results, November 23, 1999 - This new Rocky Mountain Remediation Services (RMRS) work instruction provides steps for routine operations and maintenance of the MSPTS and ETPTS. This instruction applies to Waste Water Treatment Plant (WWTP) personnel operating and maintaining the MSPTS and ETPTS.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000050.PDF	160 KB

BZ-B-000051	3/14/2000
Final East Trenches Plume (ETP) Project Closeout Report, FY99	
US Department of Energy (DOE) correspondence forwarding enclosed Final East Trenches Plume (ETP) Project Closeout Report Fiscal Year 1999 (FY99).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000051.pdf	948 KB

BZ-B-000052	2/17/2000
Transmittal of Final East Trenches Plume (ETP) Project Closeout Report	
Environment Restoration and Waste Management (ER&WM), Document Description Traveler (DDT) Transmitting Final East Trenches Plume (ETP) Project Closeout Report Fiscal Year 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000052.PDF	54 KB

BZ-B-000053	2/17/2000
Final East Trenches Plume (ETP) Project Closeout Report, FY99	
Kaiser-Hill Company, L.L.C. (K-H) submits the enclosed Final East Trenches Plume (ETP) Project Closeout Report Fiscal Year 1999 (FY99), dated February 17, 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000053.pdf	855 KB

BZ-B-000054	4/28/1983
Live on Channel 7 Broadcast	
Broadcast Information Services submits report which was live on Channel 7 with report on April 28, 1983. This report is regarding Broomfield's water supply in jeopardy from Radiative Contamination.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000054.PDF	96 KB

BZ-B-000055	1/29/1984
Sampling efforts for Standley Lake and Great Western Reservoir	
Rockwell International Internal letter transmitting detailed geologic sampling efforts on Standley Lake and Great Western Reservoir. Also included are maps of the area.	

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000055.PDF	219 KB
BZ-B-000056	9/8/2000
EPA finds East Trenches Plume (ETP) Closeout Report acceptable	
US Environmental Protection Agency (EPA) finds the Final East Trenches Plume (ETP) Project Closeout Report of 1999 acceptable and needs no revision. The effectiveness of the system will be reported separately.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000056.PDF	58 KB
BZ-B-000057	9/28/2000
Submits Quarterly: RF Groundwater Plume Treatment Systems Report	
Kaiser-Hill Company, L.L.C. (K-H) submits letter transmitting Quarterly Report for the Rocky Flats (RF) Groundwater Plume Treatment Systems, July through September 2000.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000057.PDF	73 KB
BZ-B-000058	9/30/2000
Quarterly Report: RF Groundwater Plume Treatment Systems	
Quarterly Report for the Rocky Flats (RF) Groundwater Plume Treatment Systems, July through September 2000. This report describes the activities and provides performance monitoring data for the five groundwater collection and treatment systems. Also included in this report are the analytical results for samples collected during the previous quarter that were not available for the last quarterly report.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000058.PDF	4 MB
BZ-B-000059	6/24/1997
Submits Draft Decision Document for Mound Site Plume, Revision 1	
Kaiser-Hill Company, L.L.C. (K-H) submits Decision Document (DD) Draft for the Mound Site Plume, Revision 1. Included are Operable Unit OU02 Interim Measures / Interim Remedial Action (IM/IRA) administrative transfers.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000059.PDF	162 KB
BZ-B-000060	11/27/2000
Transmits Draft of PU&D Yard Treatability Study WP	
Kaiser-Hill Company, L.L.C. (K-H) submits a Draft of the Property Utilization and Disposal (PU&D) Yard Treatability Study Work Plan (WP) for review by the US Environmental Protection Agency (EPA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000060.PDF	74 KB
BZ-B-000061	4/28/1995
DOE letter authorizing treatment of Pond B-5	

US Department of Energy (DOE) authorizing Rockwell International to treat the water in Pond B-5 through carbon filters and to discharge the treated water offsite in accordance with National Pollution Discharge Elimination System (NPDES) Permit No. CO-0001333.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000061.PDF	87 KB
BZ-B-000062	11/21/2000
PU&D Yard Plume Enhanced Natural Attenuation Treatability Study WP, Draft	
Property Utilization and Disposal (PU&D) Yard Plume Enhanced Natural Attenuation Treatability Study Work Plan (WP) Draft, dated November 21, 2000. This plan discusses the Volatile Organic Compound (VOC) contaminated groundwater in this area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000062.PDF	1 MB
BZ-B-000063	2/15/1996
Final Conceptual Plan for Management and Remediation of Groundwater	
Final Conceptual Plan for the Management and Remediation of Groundwater at the Rocky Flats Environmental Technology Site (RFETS), Revision 1 dated February 1995. This document includes maps of the area.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000063.PDF	2 MB
BZ-B-000064	9/24/1996
Transmits Review of Draft Revised Groundwater Conceptual Plan	
Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits the Revised Draft of Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS) dated September 1996. This document was originally submitted in March 1996, and has been revised to reflect changes in Rocky Flats Cleanup Agreement (RFCA), and to include additional information about groundwater plumes.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000064.pdf	68 KB
BZ-B-000065	9/1/1996
Review of Draft Revised Groundwater Conceptual Plan	
Revised Draft of Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS) dated September 1996. This document was originally submitted in March 1996, and has been revised to reflect changes in Rocky Flats Cleanup Agreement (RFCA), and to include additional information about groundwater plumes. This plan was distributed at RFETS for comments, which are hand written in this document.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000065.pdf	22 MB
BZ-B-000066	4/25/2001
Responses to City of Westminster issues on Solar Pond Plume Treatment System	

US Department of Energy (DOE) forwards responses to City of Westminster issues on the Solar Pond Plume Treatment System.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000066.pdf	305 KB
BZ-B-000067	4/25/2001
Response on results of Solar Ponds Plume Treatment System	
US Department of Energy (DOE) forwards responses on the results presented on the Solar Ponds Plume Treatment Systems, to the Colorado Department of Public Health and Environment (CDPHE) and the US Environmental Protection Agency (EPA).	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000067.pdf	384 KB
BZ-B-000068	3/23/1998
SAP Characterization of the 903 Pad/Ryan's Pit and East Trenches Plumes	
Transmits the attached Sampling and Analysis Plan (SAP) Characterization of the 903 Pad/Ryan's Pit and East Trenches Plumes, Revision 00 March 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000068.pdf	2 MB
BZ-B-000069	12/10/1998
Draft TM Monitoring of 903 Pad/Ryan's Pit Plume	
Transmits the attached Draft Technical Memorandum TM Monitoring of the 903 Pad / Ryan's Pit Plume, Revision 0 December 1998. Appendix A - Estimate of Contaminant Flux is included.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000069.pdf	4 MB
BZ-B-000070	11/6/1998
Draft PAM for East Trenches, Revision Draft November 1998	
Transmits the attached Draft Proposed Action Memorandum (PAM) for the East Trenches Plume, Revision Draft November 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000070.pdf	4 MB
BZ-B-000071	11/30/1998
Transmits the Draft FIP for East Trench Plume Treatment System	
Transmits the Draft Field Implementation Plan (FIP) for the East Trench Plume Treatment System, December 1998, and the Draft Construction Health and Safety Plan (HASP) for the East Trench Plume (ETP) Project dated November 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000071.PDF	62 KB
BZ-B-000072	12/1/1998
Draft FIP for East Trench Plume Treatment System	

Draft Field Implementation Plan (FIP) for the East Trench Plume (ETP) Treatment System, December 1998, and the Draft Construction Health and Safety Plan (HASP) for the East Trench Plume Project dated November 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000072.PDF	6 MB
BZ-B-000073	9/10/1998
PAM for the East Trenches Plume, September 10, 1998	
Transmits the attached Draft Proposed Action Memorandum (PAM) for the East Trenches Plume, September 10, 1998.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000073.PDF	4 MB
BZ-B-000074	2/4/1999
SAP for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume, Draft Final	
Sampling and Analysis Plan (SAP), for Groundwater Monitoring at the 903 Pad/Ryan's Pit Volatile Organic Compound (VOC) Plume Draft Final, Revision 0 February 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000074.PDF	3 MB
BZ-B-000075	3/18/1999
SAP for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume, Draft Final	
Sampling and Analysis Plan (SAP), for Groundwater Monitoring at the 903 Pad/Ryan's Pit Volatile Organic Compound (VOC) Plume Draft Final, Revision 0 March 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000075.PDF	4 MB
BZ-B-000076	1/11/1999
Draft Technical Memorandum TM Monitoring of the 903 Pad/Ryan's Pit Plume	
Draft Technical Memorandum TM Monitoring of the 903 Pad / Ryan's Pit Plume, Revision 0 January 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000076.PDF	6 MB
BZ-B-000077	9/27/1999
TM Groundwater Monitoring of PU&D Yard VOC Plume	
Transmits the attached Technical Memorandum TM Groundwater Monitoring of the PU&D Yard Volatile Organic Compound (VOC) Plume, Draft Final, September 27, 1999.	
http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000077.PDF	3 MB
BZ-B-000078	1/22/1999
Approval of the East Trenches Plume Project regarding wildlife	

The U. S. Fish and Wildlife Service has reviewed the East Trenches Plume Treatment Project and the effects on the Preble's meadow jumping mouse. Based on the information provided the Wildlife Services agree this project will not effect the endangered species.

http://www.lm.doe.gov/cercla/documents/rockyflats_docs/BZ/BZ-B-000078.PDF

94 KB

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the 881 Hillside Drum Storage Area Plume

Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the 881 Hillside Drum Storage Area Plume - The final remedy proposed for OU01 is to excavate those soils containing VOC concentrations greater than the Tier I action levels. The volume of the source area requiring excavation is estimated at between 900 and 1,900 cubic yards of colluvium and weathered bedrock. Excavating the source will also remove much of the contaminated groundwater above Tier I action levels. After demonstrating that this proposed remedy has been effective, and that the source and much of the resulting contaminated groundwater have been removed, the French Drain and recovery well are expected to be removed from operation. This remedial action will be protective of surface water quality, and should reduce or eliminate any potential long-term stress to environmental receptors of contaminants that may reach Woman Creek.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the Mound Site Plume

Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Mound Site Plume - cleanup of the Mound Site contaminated groundwater plume will consist of excavating the subsurface soil exceeding Tier I action levels for soil cleanup criteria for VOCs. Contaminated materials in Trench T-1 will also be removed using the same criteria. The remedial action proposed for the groundwater with concentrations of VOCs in excess of Tier I action levels is to perform near-surface collection of the plume front before it reaches South Walnut Creek. Interception of the contaminant plume will be accomplished by make improvements to the existing seep collection system at SW059. The contaminated water is expected to be treated by a passive system installed along the south bank of South Walnut Creek. Containment and treatment of the contaminant plume in Mound Site groundwater will result in a reduction of risk to the environment posed by uncontrolled releases of contaminated groundwater to surface water.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the 903 Pad and Ryan's Pit Plume	
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Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the 903 Pad and Ryan's Pit Plume. The proposed action is to remove contaminant sources exceeding the Tier I soil action levels for VOCs in soil from the 903 Pad area. Removal of the subsurface soils in the Ryan's Pit area has already been completed. The remedial action proposed for the groundwater with concentrations of VOCs in excess of Tier I action levels is to perform near-surface collection of the plume front before it reaches Woman Creek. The contaminated water is expected to be treated by a passive system.	

BZ-B-INFO	9/1/1996
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Note to File: Potential Action for the Carbon Tetrachloride Spill Plume	
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Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Carbon Tetrachloride Spill Plume. There are three potential actions identified for this groundwater contaminant plume: (1) source removal by using shallow recovery wells to attempt to remove as much of the free-phase carbon tetrachloride as possible, (2) removal of the contaminated soils, adjacent tanks, and associated piping, and/or (3) in situ treatment such as steam stripping. At this time, the building infrastructure in the area is containing this plume. Monitoring must continue to ensure that contaminated groundwater does not impact surface water. After removal of the infrastructure, near surface capture of this plume may be required to minimize impacts to surface water. If required, the captured water will be treated at a nearby passive treatment plant. This area may be capped as part of the 10 Year Plan. The impact on groundwater must be determined to see if additional controls are necessary. Actinide Migration Studies (AMES)	

BZ-B-INFO	9/1/1996
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Note to File: Potential Action for the East Trenches Plume	
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Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the East Trenches Plume. Source remediation for Trenches T-3 and T-4 was completed in 1996 to remove subsurface soils that exceed the applicable RFETS soil cleanup criteria of VOCs. This action removed the contaminant source of this contaminated groundwater plume. The remedial action proposed for the remaining contaminated groundwater plume is to install a near-surface plume capture system near the distal end of the plume, and to use passive technologies to treat the contaminated groundwater.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the Industrial Area (IA) Plume

Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Industrial Area (IA) Plume. This groundwater contaminant plume may not require action because source removals and deactivation and decontamination activities may remove contaminant sources, the source of water in the plume may be reduced over time as capping and/or regrading and revegetation reduces infiltration, and water loss from the RFETS utilities will be eliminated. Monitoring must continue to ensure that contaminated groundwater does not migrate, or create a threat to surface water. An upgradient groundwater barrier is not recommended as preliminary calculations indicate that only 15 percent of the present recharge (precipitation plus groundwater influx) to the IA could be diverted by an upgradient barrier, preventing approximately 4 gallons per minute of groundwater flux from entering the IA.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the Present Landfill Plume

Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Present Landfill Plume. An interim remedial action (IRA) has been installed at this location to collect the contaminated groundwater and leachate flowing from the landfill for treatment. This gravity-driven system consists of cement vaults for collecting the contaminated water. Treatment includes a settling basin, bag filters to remove suspended solids, and granular activated carbon (GAC) to remove organic chemical constituents. Contaminated water is treated to comply with established cleanup levels. This treatment should effectively mitigate the potential ecological risk from the contaminants of concern (COC). The treatment system may change or be eliminated once the Present Landfill Cap is installed, because groundwater migration may no longer be a concern.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the Solar Ponds Nitrate Plume

Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Solar Ponds Nitrate Plume. Proposed remedial actions for the groundwater nitrate plume, if required, will be developed at a later date, based on final cleanup standards and site-specific hydrogeologic conditions. No source removal is planned for nitrate-containing media. However, a cap/cover is being considered, which would reduce the groundwater recharge and the flow through the nitrate-contaminated soils. Recommendations from the Working Group, if approved by the Colorado Water Quality Control Commission (CWQCC), will change the stream classification for nitrates from drinking water. There is some possibility that this surface water will be used for irrigation. Measures are being implemented which will restrict use of this water for domestic use. If the drinking water classification is lifted, then the nitrate concentrations seen in the surface water as a result of the nitrate plume are acceptable for all of the remaining uses, and could be of benefit for irrigation.

BZ-B-INFO

9/1/1996

Note to File: Potential Action for the PU&D Yard Plume

<p>Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for the Property Utilization and Disposal (PU&D) Yard Plume. A limited field investigation will be completed in 1997 to determine the impact to surface water. This may be followed by a source removal the same year. The limited field investigation will determine whether groundwater remedial action(s) are required to protect surface water.</p>	
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BZ-B-INFO	9/1/1996
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Note to File: Potential Action for Other 881 Hillside Groundwater Contamination

<p>Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for Other 881 Hillside Groundwater Contamination. No action is required to mitigate this plume as it is not impacting, or expected to impact surface water. Any point sources around the building are expected to be dealt with during building demolition.</p>	
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BZ-B-INFO	9/1/1996
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Note to File: Potential Action for Original Landfill Groundwater Contamination
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<p>Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for Original Landfill Groundwater Contamination. The VOC contaminated groundwater associated with the Original Landfill is limited in extent, closely related to a small source area, and is not a threat to surface water quality. Therefore, this contaminated groundwater does not require any action.</p>	
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BZ-B-INFO	9/1/1996
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Note to File: Potential Action for Walnut Creek Drainage Groundwater Contamination
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Information Only Entry: Final Revised Groundwater Conceptual Plan for the Rocky Flats Environmental Technology Site (RFETS), September 1996. Using available information, potential actions were conceptually developed for each major Volatile Organic Compound (VOC) contaminant plume in groundwater. As contaminated seeps are the most distal ends of these contaminated groundwater plumes, these will be managed through cleanup of groundwater sources, natural attenuation, and/or interception at or upgradient of seep locations in accordance with the Action Level Framework and the ER ranking. Further analysis of alternatives for feasibility, cost effectiveness and suitability must be performed before initiating any action. Potential action for Walnut Creek Drainage Groundwater Contamination. It is most likely that the contamination in this area has migrated from a source upgradient of the Present Landfill, potentially the Property Utilization and Disposal (PU&D) Yard. Contaminated groundwater in this area will be addressed as part of the remedy for the upgradient plume.

BZ-B-INFO

1/1/0001

Groundwater contaminant plumes with VOC concentrations exceeding Tier I Action Levels are:

Information Only Entry: Cross-Reference - - - The groundwater contaminant plumes with Volatile Organic Compound (VOC) concentrations exceeding Tier I Action Levels are: {1} the 881 Hillside Drum Storage Area Plume, {2} the Mound Plume (I113-B), {3} the 903 Pad / Ryan's Pit Plume, {4} the Carbon Tetrachloride Spill Plume, {5} the East Trenches Area Plume (ETP), and {6} the Industrial Area Plume (IA-B, IAP). Additional Plumes discussed that do not exceed the Tier I Action Levels, but may have the potential to impact surface water, include those at the Present Landfill, the Solar Evaporation Ponds Plume (SEP) (I101-B, SPP), and the Property Utilization and Disposal Yard (PU&D) Yard Plume (I170 -B).

BZ-B-INFO

7/13/1999

Review and approval of Final SAP for Groundwater Monitoring at 903 Pad/Ryans Pit VOC Plume - July 13, 1999

Information Only Entry: Transmits the review and approval of the Final Sampling and Analysis Plan (SAP) for Groundwater Monitoring at the 903 Pad/Ryan's Pit VOC Plume - July 13, 1999

BZ-Z-000802

1/28/2005

SEE BZ-A-000802

DOCUMENT BZ-Z-000802 WAS REMOVED FROM THE AR FILE BECAUSE IT IS A DUPLICATE OF DOCUMENT BZ-A-000802